RST MEASUREMENT CONTROL TECHNOLOGIES

PRODUCT CATALOGUE

Precision in Every Measurement,
Reliability in Every Process

Measurement Control Equipments
Automation and Software Systems

Dimens
MESAUREMENT CONTROL TECHNOLOGIES

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RST MEASUREMENT CONTROL TECHNOLOGIES

Dimens MEASUREMENT CONTROL TECHNOLOGIES

Kendi Markamızla Üretim Yapıyoruz.

www.rst-elektronik.com
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Trigas DM · COMAC CAL · Smart sensor COMATE · AALBORG · tempmate · eyc-tech · TERACOM · DATEXEL

ABOUT US

RST Measurement Control Instruments and Automation Services Industry. Tic. Ltd. Sti.
Since its inception, our company has meticulously tracked technological advancements in the industry and successfully integrated this knowledge into our projects. Our fundamental principle is "Combining the Right Technology with Affordable Prices and Utilizing it at the Right Moment." By upholding this principle, we maintain the highest standards in price ranges and service quality, providing impeccable service to our customers regardless of project size.

For companies operating in the measurement control sector, choosing the most suitable product for their processes is crucial. This decision requires personnel with engineering knowledge and expertise. At RST Elektronik, we confidently provide the most suitable and efficient products to our customers, thanks to our expert staff. As the Measurement Control and Automation Team, we strive to thoroughly understand our customers' processes and fulfill their needs. Ensuring customer satisfaction and error-free system operation is a significant responsibility for us, inspiring us to always "offer the best quality and most accurate solution at the most affordable price."

Dimens brand proudly stands as the registered trademark of our company, RST Electronic Measurement Control, and Automation Systems. Moreover, we successfully represent numerous internationally renowned brands in Turkey, allowing us to offer a broad range of products to our customers locally and internationally.

Our mission, as RST Elektronik, is to provide rational and functional solutions for all our customers' measurement control and automation needs, ensuring products and systems are delivered with outstanding performance. Our vision extends beyond being one of Turkey's leading companies in the Measurement Control and Automation Sector; we aim to play an active role in international projects.

Collaborating with you brings us great happiness and pride. With our company's experience, expert staff, and customer-oriented approach, we stand ready to fulfill all your measurement control and automation needs. We eagerly await the opportunity to understand your requirements and offer the most suitable solutions.

Best wishes and warm regards,

RST Measurement Control Instruments and Automation Services Industry

CORRECT MEASUREMENT Brings Success

www.rst-elektronik.com

Our Products

RST MEASUREMENT CONTROL TECHNOLOGIES

Flowmeter and Flow meter

RST MEASUREMENT CONTROL TECHNOLOGIES

Flowmeters

- Electromagnetic Flow Meters
- Ultrasonic Flow Meters
- Turbine Flow Meters
- Positive Displacement Flow Meters
- Thermal Mass Air Flow Meters
- Coriolis Mass Flow Meters
- Vortex Flow Meters
- Metal Tube Flow Meters
- Float Type Flow Meters
- Flow Switches
- Flow Meters with Control Valves

QUALITY CERTIFICATE CE

MID Measuring Instrument Directive 2014/32/UE

RSTLD Electromagnetic Flow Meter

Brand:	Dimens
Connection Diameter:	DN3....DN3000 (1/8"....120")
Measuring Range Speed:	0.1....15 m/s
Supply Voltage:	24 VDC Standard, optional 220 VAC, 115 VAC @500ma
Output Signal:	4-20 mA, Pulse
Sensitivity:	0.5%, (0.2% optional)
Pressure:	40 Bar, 16 Bar, 10 Bar, 6 Bar (250 Bar optional)
Temperature:	Compact 70˚ C, Remote 200˚ C
Flow:	blood conductive fluids, Normal fluid >5 S/cm, water >20 S/cm
Protection class:	Compact IP65, Remote IP67, IP68
Electrode Material:	SS316, Hastelloy C, B, Titanium, Tantalum
Communication:	RS485/Modbus, Hart on 4~20 mA, Hart, Profibus
Internal Coating:	Hard Rubber, PTFE, Neoprene, Polyurethane

ASA Electromagnetic Flowmeter

Brand:	ASA Electromagnetic Flowmeter
Connection Diameter:	DN10.....DN2000
Measurement Range:	0,0282.....136847 m³/h
Display:	LCD Display
Output:	4-20mA, Pulse, Frequency
Precision:	0,5 % O.D
Pressure:	40 Bar max
Temperature:	between: -20.....+150°C
Fluid:	Conductive Liquid ≥5 µS/cm
Protection Class:	IP 67
Electrode:	316 L stainless steel, (Titanium, Hastelloy C, Hastelloy B, Tantalium optional)
Communication:	RS485, Hart, Profibus (optional)
Interior Covering:	Hard rubber, PTFE

DMS MF 6000 Series Magnetic Flowmeter

Brand:	DMS MF 6000
Connection Diameter:	½".....2"
Measuring Range Speed:	0.2 - 25 to 5 - 600L/min
Supply Voltage:	19 – 30 volt DC
Output Signal:	4-20mA, 0 – 10 volts, Pulse, Frequency
Sensitivity:	2% O.D
Pressure:	16 Bar maximum
Temperature:	-20.....+80°C
Protection class:	IP 67
Electrode Material:	316 L rust steel
Internal Coating:	Hard Rubber, PTFE

Wall Mounted Fixed Type Ultrasonic Flowmeter

Brand:	Dimens
Connection Diameter:	DN15....DN100, DN50....DN600, DN250....DN6000
Precision:	better than 1%
Display:	Backlit LCD Display
Analog Output:	4-20 mA, 0-20mA, Pulse, Frequency
Pulse Output Frequency:	1 - 9999 Hz. Adjustable
Relay Output:	can be assigned to 20 different parameters
Analog Input:	4-20mA, PT100
Other Functions:	Top. also flux. Automatically saves 64 days/64 months/5 years
Measures Pipe Type:	Steel, Stainless Steel, cast iron, cement pipe (with special sensor), Copper, PVC, aluminum, FRP, and linear Pipes with different materials.
Types of Liquids Measured:	Water, Marine, Industry, wastewater, acid and alkaline liquids, alcohol, oil, etc.
Temperature:	-30.....+ 160 ˚C
Communication Protocol:	Modbus, M-Bus, Fuji protocol, and other factory protocols
Supply:	AC 220 V 8-36 VDC or 7-30 VDC
Certificate:	Exproof (Optional)

Flow 38 Magnetic Flow Meter

Brand/Model	COMAC CAL Flow 38
Power Supply	110–230V AC, 24V AC/DC
Pipe Size (DN)	DN4 – DN800
Operating Temp.	-25°C to +150°C
Outputs	4–20 mA, Modbus 485, HART, M-Bus, Ethernet, IoT
Pulse Output	Yes
Accuracy	Up to 0.5%
Certifications	DNV, ATEX, CE, IECEx

Flow 38 MID Magnetic Flow Meter

MID
Measuring Instrument Directive 2014/32/UE

Brand/Model	COMAC CAL Flow 38 MID
Power Supply	230V AC, 24V AC/DC
Pipe Size (DN)	DN10 – DN800
Operating Temp.	T30: -25°C to +55°C / T50: -25°C to +70°C
Outputs	4–20 mA, Modbus 485, M-Bus, SD Card
Accuracy Class	TP2 (Billing Grade)
Certifications	MID 2014/32/EU

FL33 Smart Magnetic Flow Meter - Bluetooth

Brand/Model	COMAC CAL FL33
Power Supply	24V DC
Bluetooth	Android & iOS compatible
Temperature Range	Up to 70°C
Accuracy	Up to 0.5%
Outputs	Pulse, Status, 4–20 mA
Pipe Size (DN)	DN6 – DN600
Connection Types	Flange, Clamp (food-grade), Threaded, Sandwich
Materials	CrNi steel (1.4571), Hastelloy C4, Titanium, Tantalum
Applications	Water, Chemicals, Food/Beverage, Pharmaceuticals

Flow 33 Ex Proof Magnetic Flow Meter

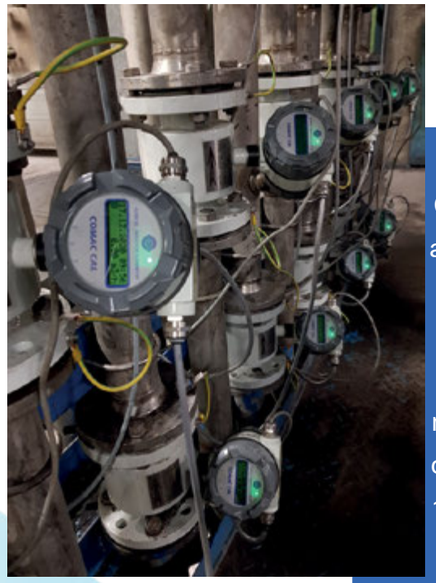
Brand/Model	COMAC CAL Flow 33 Ex
Power Supply	24V DC
Certifications	ATEX, IECEx
Materials	Stainless Steel (1.4571), Hastelloy C4, Titanium, Tantalum
Pipe Size (DN)	DN6 – DN600
Bluetooth	Android & iOS compatible
Accuracy	Up to 0.5%
Temperature Range	Up to 70°C
Outputs	4–20 mA, Pulse, Status
Protection Class	IP68
Applications	Refineries, Mining, Chemical Plants, Food/Beverage (dust zones)

Flow 38 Magnetic Flow Meter

Brand/Model	COMAC CAL FL32
Power Supply	24V DC
Pipe Range (DN)	DN4 – DN32
Flow Range	0.2 – 10 m/s
Accuracy	±1% (1–10 m/s), ±2% (0.2–1 m/s)
Max Temperature	70°C
Outputs	4–20 mA, Pulse, IO-Link, Bluetooth
Materials	Stainless Steel (standard)
Protection Class	IP65
Applications	Water, Food & Beverage, Chemical, Pharmaceutical, Industrial Automation

Flow 38 MID Magnetic Flow Meter

Brand/Model	COMAC CAL Calor 38
Power Supply	110–230V AC / 24V AC/DC
Pipe Range (DN)	DN10 – DN600
Operating Temp.	-25°C to +170°C
Accuracy	±0.5% (billing-grade)
Temp. Resolution	±0.1°C
Outputs	M-Bus, Modbus 485, 4–20 mA, Pulse
Materials	CrNi Steel, Hastelloy C4, Titanium
Display	350° rotatable LCD
Protection Class	IP65
Applications	



RST Elektronik is the official distributor of COMAC CAL Magnetic Flow Meters and Industrial Measurement Devices in Turkey. With accuracy levels up to 0.2%, CE & MID certifications, ATEX safety approvals, and a wide product portfolio, COMAC CAL meters provide reliable measurement solutions across water, energy, food, chemical, and petrochemical industries. Backed by over 16 years of RST Elektronik expertise, 24/7 technical support, and fast delivery, we deliver maximum performance and long-lasting solutions to businesses throughout Turkey.

Portable Type Ultrasonic Flowmeter

Brand / Model:	Dimens QTDS100H
Connection Diameter:	DN15....DN100, DN50....DN600, DN250....DN6000
Precision:	Better than 1%
Display:	Backlit LCD Display
Response Time:	0-999 seconds, user adjustable
Speed:	+/- 32 m/s
Types of Liquids:	Almost all liquids
Communication Interface:	RS-232
Other Functions:	Top. flow value Automatically saves 64 days/64 months/5 years
Pipe Type:	Measures "Steel, Stainless Steel, cast iron, cement pipe (with special sensor), pipes with different materials such as copper, PVC, aluminum, FRP, and linear.
Types of Liquids Measured:	Water, Marine, Industrial, wastewater, acid and alkaline liquids, alcohol, oil, etc.
Temperature:	-30.....+ 160 ˚C
Communication Protocol:	Modbus, M-Bus, Fuji protocol, and other factory protocols
Power Source:	3 AAA internal Ni-H batteries. When fully charged, this process lt will take 12 hours. 100V -240VAC for charging

Portable Printer Type Ultrasonic Flowmeter

Brand / Model:	Dimens QTDS100HP
Connection Diameter:	DN15....DN100, DN50....DN600, DN250....DN6000
Precision:	Better than 1%
Display:	Backlit LCD Display
Response Time:	0-999 seconds, user adjustable
Speed:	+/- 32 m/s
Types of Liquids:	Almost all liquids
Communication Interface:	RS-232
Other Functions:	Top. flow value Automatically saves 64 days/64 months/5 years
Pipe Type:	Measures "Steel, Stainless Steel, cast iron, cement pipe (with special sensor), Copper, PVC, aluminum, FRP and linear pipes of different materials."
Types of Liquids Measured:	Water, Marine, Industrial, wastewater, acid and alkaline liquids, alcohol, oil, etc.
Temperature:	-30.....+ 160 ˚C
Communication Protocol:	Modbus, M-Bus, Fuji protocol, and other factory protocols
Power Source:	3 AAA internal Ni-H batteries. When fully charged, this process lt will take 12 hours. 100V -240VAC for charging
Main Unit:	24 Character Mini Thermal Printer

Rail Mount Fixed Type Ultrasonic Flowmeter

Brand:	Dimens
Connection Diameter:	DN15....DN100, DN50....DN600, DN250....DN6000
Precision:	Better than 1%
Display:	Backlit LCD Display
Analog Output:	4-20 mA, 0-20mA, Pulse, Frequency
Pulse Output Frequency:	1 - 9999 Hz. Adjustable
Relay Output:	can be assigned to 20 different parameters
Analog Input:	4-20mA, PT100
Other Functions:	Top. flow value Automatically saves 64 days/64 months/5 years
Pipe Type:	Measures "Steel, Stainless Steel, cast iron, cement pipe (with special sensor), Copper, PVC, aluminum, FRP and linear pipes of different materials."
Types of Liquids Measured:	Water, Marine, Industrial, wastewater, acid and alkaline liquids, alcohol, oil, etc.
Temperature:	-30.....+ 160 ˚C
Communication Protocol:	Modbus, M-Bus, Fuji protocol, and other factory protocols
Supply:	DC8~36V, AC10~30V
Mounting Type:	Rail Mounting Type

Line Type Ultrasonic Flowmeter

Brand:	Dimens
Connection Diameter:	DN32....DN6000
Precision:	Better than 1%
Display:	Backlit LCD Display
Analog Output:	4-20 mA, 0-20mA, Pulse, Frequency
Pulse Output Frequency:	1 - 9999 Hz. Adjustable
Relay Output:	Can be assigned to 20 different parameters
Analog Input:	4-20mA, PT100
Other Functions:	Top. flow value Automatically saves 64 days/64 months/5 years
Pipe Type:	Measures "Steel, Stainless Steel, cast iron, cement pipe (with special sensor), Copper, PVC, aluminum, FRP and linear pipes of different materials."
Types of Liquids Measured:	Water, Marine, Industrial. waste water, acid and alkaline liquids, alcohol, oil, etc.
Temperature:	-30.....+ 160 ˚C
Communication Protocol:	Modbus, M-Bus, Fuji protocol and other factory protocols
Supply:	DC836V, AC1030V, AC85-264V
Certificate:	Exproof (Optional)

Line Type Ultrasonic Flowmeter Flowmax 42i

Model / Brand:	Flowmax 42i / MIB GmbH / German
Connection Diameter:	DN3, DN5, DN7, DN10, DN15
Precision:	Better than 1%
Material:	PE-HD (Polyethylene)
Analog Output:	Digital Output: 4-20 mA, 0-20mA, Pulse, Frequency
Pulse Output:	NPN and PNP-logic Adjustable
Protection Class:	IP 67
Compressive Resistance:	7 Bar
Fluid Temperature:	0 .... +50 °C
Measuring range:	0.015 – 1 l/min (DN 3), 0.024 – 3 l/min (DN 5), 0.09 – 6 l/min (DN 7), 0.3 – 24 l/min (DN 10), 0.9 – 60 l/min (DN 15)
Types of Liquids Measured:	Water, Marine, Industrial. waste water, acid and alkaline liquids, alcohol, oil, etc.
Mechanical Connection:	Thread G, Thread NPT, Clamp connection DIN11864-3 BKS-Clamp Form A
Connection Connector:	5-pin, 8-pin optional
Supply:	18...30VDC

Line Type Ultrasonic Flowmeter Flowmax 44i

Model / Brand:	Flowmax 44i / MIB GMBH
Connection Diameter:	DN10-3/8", DN15-1/2", DN20-3/4", DN25-1"
Precision:	Better than 1%
Material:	Made from PPSU (Polyphenylsulfone)
Wet Parts Material:	PPSU (Polyphenylsulfone)
Electronic Enclosure Material:	Polyphenylsulfone
Analog Output & Digital Output:	4-20 mA, 0-20mA, Pulse, Frequency
Pulse Output:	NPN and PNP-logic Adjustable
Protection Class:	IP 67
Compressive Strength:	16 Bar
Fluid Temperature:	0 ... + 80 ° C
Measuring range:	0.3 - 21 l/min (DN10 - ! "), 0.9 - 36 l/min (DN15 - ½ "), 3.5 - 60 l/min (DN20 - ¾ "),5.0 - 240 l/min (DN25 - 1 ")
Types of Liquids Measured:	Water, Marine, Industrial, wastewater, acid and alkaline liquids, alcohol, oil, etc.
Mechanical Connection:	Thread G, Thread NPT, Clamp connection DIN11864-3 BKS-Clamp Form A
Connection Connector:	5-pin, 8-pin optional
Supply:	18...30VDC

Line Type Ultrasonic Flowmeter Flowmax 54i

Model / Brand:	Flowmax 54i / MIB GMBH
Connection Diameter:	DN25-G1 ½, DN32-G2, DN40-G2 ¼, DN50-G2 ¾
Precision:	Better than 1%
Material:	PE-HD (Polyethylene)
Analog Output & Digital Output:	4-20 mA, 0-20mA, Pulse, Frequency
Pulse Output:	NPN and PNP-logic Adjustable
Protection Class:	IP 67
Compressive Resistance:	10 Bar
Fluid Temperature:	0 .... +50 °C
Measuring range:	DN25: 5 – 180 l/min, DN32: 9 – 300 l/min, DN40: 18 – 480 l/min, DN50: 36 – 900 l/min
Types of Liquids Measured:	Water, Marine, Industrial, wastewater, acid and alkaline liquids, alcohol, oil, etc.
Mechanical Connection:	Thread G, Thread NPT, Clamp connection DIN11864-3 BKS-Clamp Form A
Connection Connector:	5-pin, 8-pin optional
Supply:	18...30VDC

Line Type Ultrasonic Flowmeter Flowmax 400i

Model / Brand:	Flowmax 400i / MIB GMBH
Connection Diameter:	3/8", 1/2", 3/4", 1"
Precision:	Better than 1%
Material:	All wet parts are made of PFA, nut PVDF or PFA, Electronic enclosure PP
Analog Output & Digital Output:	4-20 mA, 0-20mA, Pulse, Frequency
Pulse Output:	NPN and PNP-logic Adjustable
Protection Class:	IP 65
Compressive Resistance:	6 Bar
Fluid Temperature:	0 .... +60 °C
Measuring range:	3/8": 0.09 - 6 l/min, 0.03 - 6 l/min Low Flow, 1/2": 0.3 - 24 l/min, 3/4": 0.9 - 60 l/min, 1" : 1.2 - 120 l/min
Types of Liquids Measured:	Water, Marine, Industrial, wastewater, acid and alkaline liquids, alcohol, oil, etc.
Mechanical Connection:	Thread G
Connection Connector:	5-pin, 8-pin optional
Supply:	18...30VDC

Wall Mounted Fixed Type Ultrasonic Calorimeter

Brand:	Dimens
Connection Diameter:	DN15....DN100, DN50....DN600, DN250....DN6000
Precision:	Better than 1%
Display:	Backlit LCD Display
Analog Output:	4-20 mA, 0-20mA, Pulse, Frequency
Pulse Output Frequency:	1 - 9999 Hz. Adjustable
Relay Output:	Can be assigned to 20 different parameters
Analog Input:	4-20mA, PT100
Other Functions:	Top flow value, Automatically saves data for 64 days/64 months/5 years
Pipe Type Measures:	Steel, Stainless Steel, Cast iron, Cement pipe (with special sensor), Copper, PVC, Aluminum, FRP, Linear pipes of different materials
Types of Liquids Measured:	Water, Marine, Industrial wastewater, Acid and alkaline liquids, Alcohol, Oil, etc.
Temperature Range:	-30°C to +160°C
Communication Protocol:	Modbus, M-Bus, Fuji protocol, Other factory protocols
Supply:	AC 220V, 8-36VDC, 7-30VDC
Temperature Sensor:	2 PT100 temperature sensors

Ultrasonic Open Channel Flow Meters

Brand:	Dimens OPCF
Sensor Material:	ABS, PVC or PTFE
Measurement Weirs:	Parshall, Rectangular, V-Notch, Cipoletti
Display:	Backlit LCD Display
Adjustable Outputs:	4-20 mA, 2 Programmable Relays
Communication Protocol:	RS485 Modbus RTU
Protection Class:	Sensor IP68, Transmitter IP67
Sensor Measurement Range:	0…4 Meters, (0..6 Meters, 0…8 Meters optional)
Flow Range:	0.000….99999 m3/h
Sensor Connection:	2" thread (DN65 or DN85 optional)
Total Flow:	9999999.9 m3
Accuracy:	1mm or 0.2%
Temperature Range:	-40°C to +70°C
Supply:	AC 220V, 12VDC or 24VDC

Flanged Type Stainless Steel Turbine Flowmeter

Brand Model:	Dimens RTLWGY-F-XXX
Body Material:	304 SS or 316 SS
Display:	No Indicator, or Backlit LCD Display
Signal Outputs:	Pulse, 4-20 mA, (RS485 Modbus RTU pos.)
Protection Class:	Sensor IP65, Transmitter IP67 pos.
Line Diameter:	DN15, DN20, DN32, DN40, DN50, DN65, DN80, DN100, DN125, DN200
Flow Range:	0.6….6m3/H, 80….800m3/H
Sensitivity:	0.5% or 0.2% optional
Temperature Range:	-40°C to +80°C
Communication Protocol:	RS485 Modbus RTU pos.
Supply:	12 VDC …. 24VDC
Pressure Range:	16 Bar (Ask for High Pressure)

High Precision Trigas Turbine Flowmeter

Brand:	Trigas DM-XX
Body Material:	316 SS Rust. Steel
Turbine Material:	316 SS Pas. Steel
Turbine Shaft:	Ceramic Bearing, Steel Cage
Adjustable Outputs:	Pulse, 4-20 mA, 0-10VDC
Protection Class:	Sensor IP65, IP68 opt.
Line Diameter:	DN15, DN20, DN32, DN40, DN50
Flow Range:	0.05….5L/min, 17….1700 L/min
Accuracy:	≤±0.03% of reading
Temperature Range:	-270°C to +400°C
Response Time:	<3 ms
Supply:	12 VDC …. 24VDC
Pressure Value:	540 Bar Max.

Henke DW-FS Turbine Flowmeter

Brand / Model:	Henke DW-FS
Body and Turbine Material:	316 SS Pas. Steel
Outputs:	Frequency, 4-20mA
Protection Class:	Sensor IP65
Line Diameter With T Connection:	DN15, DN20, DN25, DN32, DN40, DN50
Flow Range:	2.5….50L/min, 35….580 L/min
Accuracy:	≤±2% of reading
Temperature Range:	-40°C to +100°C
Reading Speed Range:	0.3 - 5m/s
Supply:	24 VDC
Pressure Value:	25 Bar Max.
Line Diameter for Dipping:	2"…8"

Immersion Type Turbine Flowmeter

Brand:	Dimens
Temperature:	80C (100°C and 125°C optional)
Connection Size:	Between DN 15 and DN600 (0.5" – 24")
Flow Rate:	0.15 – 8 m/Sec.
Linearity:	0.75% full scale
Sensitivity:	1%
Protection Class:	IP68
Sensor Bodies:	CPVC, PVDF, Brass, Stainless Steel
Supply voltage:	5 – 24 Volt DC
Output Signal:	Pulse Push-Pull (4-20mA optional)
Mounting Position:	Horizontal and Vertical (up)
Pressure:	10 Bar (25 Bar Optional)

Positive Displacement Flowmeter

Brand:	Dimens DMS-OGF
Measurement Range:	1 L/ H - 6000 L/H
Connection Sizes:	between ¼" and 1" (other connection diameters available upon request)
Precision:	0.5% O.D.
Viscosity:	2000 cP max.
Output:	Pulse (4-20mA, 0-10 volt, 0-5 volt optional)
Mounting Position:	Horizontal and Vertical (up)
Temperature Range:	-10°C to 60°C (80°C optional)
Maximum Pressure:	12 bar, 70 Bar (110 Bar optional) for Aluminum and 316 stainless
Application Areas:	Viscous Liquids
Protection Class:	IP68
External Protection:	316 stainless, Aluminum, or POM
Gear Material:	POM

Stainless Steel Gear Type Turbine Flowmeter

Brand:	Dimens RTLWGY-T-XXX
Temperature:	-20°C to +90°C (-20°C to +250°C optional)
Connection Size:	1/2" to 2" Threaded
Measurement Range:	Low Flow: 0.6 – 4.5 L/min, High Flow: 33 – 335 L/min
Sensitivity:	0.5%
Protection Class:	IP65
Sensor Body:	304 Stainless Steel
Rotor Shaft:	Tungsten Carbide
Supply Voltage:	5V to 24V DC
Output Signal:	Pulse Push-Pull (4-20mA optional)
Mounting Position:	Horizontal and Vertical (up)
Pressure:	Up to 63 Bar

Immersion Type Thermal Gas Flow Meter FTM06T/FTM06D

Brand:	eYc-Tech / Taiwan
Product Type:	FTM06D
Type:	Air velocity sensor Thermal mass flux sensor
Measuring Range (Air):	0 to 120 Nm/s
Output Signal:	Analog: 4-20 mA / 0-10 V / RS-485
Accuracy:	±1.5% F.S.
Operating Temperature & Moisture:	0 to 50°C / 20 to 90% RH (non-condensing)
Power Supply:	DC 24V ±10%
Power Supply:	DC 24V ± 10%
IP Rating:	IP65 (Option for IP67)
Housing:	Body and Probe: SUS304 Probe head: PC+Glass fiber

Immersion Type Thermal Gas Flow Meter FTM84/FTM85

Product Type:	eYc FTM84/85 Immersion Type
Fluid Compatibility:	Air, Nitrogen, and Non-Aggressive Gases
Pipe Diameter:	DN15~400mm
Flux Speed Range:	Adjustable from 0.151m/s to 0.990Nm/s
Accuracy:	±1.5% F.S.
Ambient Temperature Range:	-20°C to +100°C
Ambient Pressure:	Up to 10 bar
Power Supply:	DC 8V to 35V & AC 12V to 30V
Signal Output:	0-20 mA / 4-20 mA / 0-1 V / 0-5 V / 0-10 V
Communication Protocol:	RS-485 standard
Display:	Values for Flux Rate and Temperature
Protection Class:	IP67 (Probe), IP65 (Panel)

Line Type Thermal Mass Air/Gas Flowmeter TGF200

Brand/Model:	Comate TGF200 Line Type
Fluid Compatibility:	Air, Nitrogen, and other non-corrosive Fluids
Pipe Diameter:	8mm~25mm (1/4" ~ 1")
Flux Rate Range:	0.3 ~ 30 Nm/s, 0.6 ~ 60 Nm/s, 0.9 ~ 90 Nm/s
Accuracy:	1.5% reading + 0.3% at 100:1 measuring range
Ambient Temperature:	-20°C to +100°C
Ambient Pressure:	Up to 16 bar
Power Supply:	10 ~ 35 VDC / 200 mA
Response Time:	160 milliseconds
Signal Output: x	160 milliseconds
Communication Protocol:	RS-485 standard
Display: x	RS-485 standard
Protection Class:	Aluminum alloy, IP54

Line Type Thermal Mass Air/ Gas Flowmeter XFM/DFM/GFM

Brand / Model:	AALborg Line Type XFM/DFM/GFM
Fluid Compatibility:	Almost All Gases and up to 5 gas mixtures
Pipe Diameter:	1/8" ~ 3/4"
Flow Rate Range:	0-10ml/min ~ 0-1000l/min
Accuracy:	1.5% reading + 0.3% at 100:1 measuring range
Ambient Temperature:	-20°C to +60°C
Ambient Pressure:	Up to 10 bar
Power Supply:	12 ~ 26 VDC
Response Time:	10 milliseconds ~ 3 seconds
Signal Output:	4-20 mA, 0-5VDC, 0-10 VDC
Communication:	RS-485, RS-232
Display:	Instant Flow, Total Flow, Temperature, Pressure
Protection Class:	IP40

Aalborg Line Type Thermal Mass Air/Gas Controller DPC/GFC

Brand / Model:	AALborg Line Type XFM/DFM/GFM
Fluid Compatibility:	Almost All Gases and up to 5 gas mixtures
Pipe Diameter:	1/8" ~ 3/4"
Flux Flow Range:	0-10ml/min ~ 0-1000l/min
Accuracy:	1.5% reading + 0.3% at 200:1 measuring range
Ambient Temperature:	20°C to +60°C
Ambient Pressure:	Up to 10 bar
Power Supply:	12-26Vdc, 650mA
Response Time:	150 milliseconds
Signal Output:	4-20 mA, 0-5VDC, 0-10 VDC, RS-485, RS-232
Fluid Contact:	Aluminum ceramic or
Surface Material:	316L Pas. 416 passes. steel, polyamide
Display:	Instant Flow, Total Flow, Temperature, Pressure
External Valve Control Signal:	4-20mA, 0-5VDC, or 0-10VDC

PTFE 520 Pitot Tube Air / Non-aggressive Gas Flow Meter

Fluid:	Air and non-corrosive gas
Pipe Size Range:	1" ~ 12" (DN25 ~ DN400)
Ambient Temperature:	-40°C ~ 60°C
Ambient Humidity:	5% ~ 100%
Process Connection:	1/2 G connection with ball valve
Pressure Rating:	10 barG
Liquid Temperature:	-40°C ~ 150°C
Wet Part Material:	304ss/316ss
Measured Parameters:	Flow rate, temperature, pressure
Power:	13.5V ~ 32V DC, 150mA max.
Communication:	RS485 (Modbus-RTU), Bluetooth
Optional Signal Output:	4-wire 4-20mA, RS485, Bluetooth
Flow Accuracy:	±1.5% RD ±0.3% FS
Flow Reproducibility:	±0.5% RD
Response Time:	1 second

Immersion Type Thermal Gas Flow Meter DMS460/DMS600

Model:	DMS 460 Immersion Type
Fluid Compatibility:	Air, Nitrogen, O2, CO2, Argon, CH4, Natural gas, biogas, and almost all dry and clean air
Pipe Diameter:	DN25~600mm
Flux Rate Range:	0.3 ~ 30 Nm/s, 0.6 ~ 60 Nm/s, 0.9 ~ 120 Nm/s
Accuracy:	0.5% RD + ±1.5% FS
Ambient Temperature:	-40°C ~ 150°C
Ambient Pressure:	1.6MPa
Power Supply:	AC85-265V or DC13.5-42V
Response Time:	1 second
Signal Output:	Frequency, Pulse, 4-20mA (standard)
Communication:	RS-485 standard, 4-20mA @ HART
Display:	Mass flow, Volume flow under normal conditions
Protection Class:	IP65 for Total flux, Ambient temperature, and Speed

Coriolis Mass Flow Meter

Type:	DMS-KF-V
Most Common Use:	High viscosity applications
Area of Use:	Applications with high pressure
Pipe Diameter:	DN10 - DN300
Flow Measurement Range:	0 - 1000kg/h to 0 - 1000 tons/h
Connection:	ANSI, DIN, JIS, or Sanitary Tri-Clamp flanges
Pressure Max:	16 Bar (40 Bar to 1000 Bar optional)
Temperature Range:	-50°C to +150°C (350°C optional)
Sensitivity (Liquid):	0.2/0.1/0.05%
Sensitivity (Gas):	0.5%
Density:	0.2 to 3.0 g/cm3
Repeatability:	0.001 g/cm3
Temperature Accuracy:	±1.0°C
Protection:	IP67
Certificates:	ATEX, CE, ISO9001, ISO14001, OHSAS18001
Communication:	RS485 (RTU Modbus), HART (-HART option)
Pulse Output:	0 to 10 kHz
Current Output:	4-20mA
Supply Voltage:	24VDC, 220VAC

Temperature and Pressure Compensated Vortex Flowmeter

Type:	VFM60MV / Comate Flowmeter
Liquid to be Measured:	Liquid, Vapor, Gas
Connection Diameters:	Wafer / Flange DN15 ~ DN300mm
Measuring Range:	Liquid: 0.5 ~ 7, Steam or Gas: 2 ~ 70
Accuracy:	±1%
Repeatability:	0.3% OD
Signal Output:	Pulse, 4-20mA @ HART / RS-485 Modbus
Process Temperature:	-40°C ~ 280°C; -40°C ~ 350°C
Ambient Temperature	40°C ~ 85°C
Wet Parts:	304 Stainless Steel, 316 Stainless Steel
Compensation:	Temperature and pressure compensated

Metal Tube Dial Flowmeter

Brand	Dimens
External Casing Material:	Aluminum
Wet Parts:	316 stainless steel, PTFE, or plastic
Flow Units:	L/h, m3/h, kg/h, %
Flow Ranges:	DN15, DN20, DN25, DN32, DN40, DN50, DN65, DN80, DN100, DN125, DN150, Water: 30 l/h to 120,000 l/h (special sizes available upon request), Air: 0.1 Nm3/h to 450 Nm3/h (special sizes available upon request)
Connection Position:	Vertical
Connection Type:	Flange, Tri-clamp, Female Type
Connection Diameters:	1/2˝ ~ 5˝
Temperature Range:	-20°C to +200°C
Protection Class:	IP65
Sensitivity:	2.5%
Maximum Pressure:	16 Bar (25 Bar, 40 Bar, 63 Bar optional)
Optionals:	Alarm Output: Switch Output (Micro Switch: 3A/250VAC, 5A/30VDC, 0.4/125VDC), Connection Assembly Length: Variable, Analog Output + Alarm Output: 4-20 mA 2-wire output + Switch

Henke DW-U Analog Pointer Flowmeter with 2 Switches

Brand:	German
Type:	DW-U
Accuracy:	±3%
Measuring Ratio:	01:05
Operating Temperature:	Up to 100°C (max 300°C)
Working Pressure:	Up to 16 Bar
Flow Range:	1 ~ 75000 L/min
Connection Line Diameter:	1/2” ~ 2” for T Body, 2” ~ 24” for Immersion type
Certificate:	ATEX EX, IIGD, EEX c IIB T4 IP65 T110° respectively Ex, 2GD EEx, IIB T4 EX 3D IP 65, T125°
Contact:	Normally Open (NO) or Normally Closed (NC) (optional)
Protection Class:	IP55 (optional IP65)
Switching Hysteresis:	10%
Switching Current:	1.5 Amperes

RST-Thermal Flow Meter FTC 05

Introduction:	Resistance Temperature Detector (RTD)
Measuring Range:	Water: 1 ... 200 cm/s, Oil: 3 ... 300 cm/s, Gas: 6 ... 20 m/s
Output:	PNP/NPN/Relay
Signal Connection:	M12
Load Resistance:	Type NPN, PNP: 500mA when powered with DC 24 V, Relay: 36 W
Response Time:	≤3 sec
Warm-up Time:	≤10 sec
Environmental Medium:	Water, oil, and gas compatible with stainless steel
Ambient Temperature:	0°C ... +50°C
Operating Temperature:	-20°C ... +60°C
Operating Humidity:	0% ... 100%RH
Storage Temperature: x	0% ... 100%RH
Proof Pressure:	10 bar
Power Supply:	DC 24V ±10%
Current Consumption:	≤70 mA
Overvoltage Protection: x	≤70 mA
Electrical Connection:	M12 connector
IP Rating:	IP65 (Option IP67)

Immersion Type / Line Type Flow Switch Henke DW-R

Model:	DW-R
Brand:	Henke Sass Wolf
Usable Line Diameter:	1/2” ~ 6”
Switching Point:	1 l/min ~ 600 l/min
Switching Current:	1.5 A
Protection Class:	IP65
Switch Type:	Normally closed (Can be used normally open; SPDT switching available on request)
Ambient Temperature:	Maximum 70°C
Fluid Temperature:	100°C

Flow Switch DW-N with Analog Indicator

Brand:	Henke Sass Wolf
Model:	DW-N
Accuracy:	±3%
Body Material:	Brass, Stainless Steel, PVC
Operating Temperature:	-20°C to 100°C (300°C optional)
Maximum Pressure:	16 Bar
Output:	2 adjustable microswitches
Process Connection:	With T body: 3/8” ~ 2” / With Immersion: 2” ~ 24”
Protection Class:	IP55
ATEX Certification:	ATEX EX, IIGD, EEX c IIB T4 IP65 T110° respectively Ex, 2GD EEx, IIB T4 EX 3D IP 65, T125°

Flow Switch / Flow Meter with Digital Display DW-D

Brand:	Henke Sass Wolf
Model:	DW-D
Accuracy:	±2%
Body Material:	Brass, Stainless Steel, PVC
Operating Temperature:	-20-130 °C
Maximum Pressure:	25 Bar (120 Bar optional)
Supply Voltage: x	25 Bar (120 Bar optional)
Analog Output:	4-20mA, Voltage; 0-10V + 2 Switches
Measuring Ratio:	1:10 (for others please consult)
Process Connection:	T body with 3/8” ~ 2” / 2” ~ 24” with immersion
Protection Class:	IP65

Flow Switch Plastic Type Henke DW-L

Brand:	Henke (German)
Model:	DW-L
Mounting Type:	T-body, Complete PVC, Brass T Body, and Immersion Type
Switch:	Normally open contact (closed two-way communication on contact and request)
Connectable Line Diameter:	DW-LE: 1 1/4” ~ 6”, DW-LM: 3/8” ~ 6”, DW-LP: 1/2” ~ 1 1/2”
Max. Temperature:	100°C
Max. Pressure:	PN10
Protection Class:	IP65

Glass Tube Flowmeter DMS300 with Adjustment Valve

Type:	DMS-300F
Flow Range:	Water: 1 ~ 10 L/min to 12 ~ 60 L/min, Air: 40 ~ 400 L/min to 400 ~ 1800 L/min
Connection Diameter:	1/2” ~ 3/4” BSP or NPT Thread
Body Material:	Borosilicate Glass
Buoy Material:	316 Pas. Steel
Accuracy:	±5%
Maximum Temperature:	120°C
Maximum Pressure:	6 Bar

Plastic Tube Float Flowmeter

Model:	LZS
Connection:	½" to 2 ½" or Flanged Types
Flow Range:	10 L/H to 100 L/H to 12 m3/H to 60 m3/H and up to 120 m3/h
Wet Parts:	AS
O-ring:	Viton
Float:	ABS
Temperature:	0°C to 60°C
Connection Material:	ABS
Pressure:	6 bar
Sensitivity:	4% T.S.
Connection Orientation:	Vertical
Connection Length:	Between 280mm and 430mm

Float Line Type Flowmeter

Type:	DMS-FP-G
Flow Range:	Water: 2.5 ~ 25 L/H to 450 ~ 1100 L/min, Air: 0.3 ~ 3 m3/H to 500 ~ 1400 m3/H
Connection Diameter:	1/2” ~ 3” BSP or NPT Thread
Body Material:	PVC
Buoy Material:	316 Pas. Steel
O-ring:	Silicone Rubber
Accuracy:	±3%
Maximum Temperature:	60°C
Maximum Pressure:	10 Bar

Glass Tube Float Flowmeter DMS-FG10A

Type:	DMS-FP-G
Flow Range (Water):	2.5 ~ 25 L/H to 450 ~ 1100 L/min
Flow Range (Air):	0.3 ~ 3 m3/H to 500 ~ 1400 m3/H
Connection Diameter:	1/2” ~ 3” BSP or NPT Thread
Body Material:	PVC
Buoy Material:	316 Stainless Steel
O-ring:	Silicone Rubber
Accuracy:	±3%
Maximum Temperature:	60°C
Maximum Pressure:	10 Bar

Glass Tube Flowmeter with Adjustment Valve

Mechanical Connection:	¼”
Flow Range (Air):	0.1 – 1.3 L/H to 430 – 4300 L/H
Flow Range (Liquid):	0.002 – 0.02 L/H to 16 – 160 L/H (Please consult our engineers for specific flow rate ranges)
Sensitivity:	3% F.S
Maximum Temperature:	100°C
Maximum Pressure:	10 Bar
Regulating Valve Material:	Stainless Steel
Measuring Tube Material:	Glass
O-ring Material:	Viton
Valve Type:	Adjustable precision valve

Flowmeter with Adjustment Valve

Mechanical Connection:	¼", ½", ¾", 1"
Flow Range (Air):	0.1 - 1 to 35 - 350 L/min
Flow Range (Liquid):	0.6 - 4.2 m3/H with 15 - 150 L/H
Sensitivity:	4% F.S
Maximum Temperature:	70°C
Maximum Pressure:	10 Bar
Valve Type:	Adjustable precision valve

V Model PTFE Mid Range Measuring Devices

Scales:	Rotatable Direct Reading
Air Scale:	Scfm-slpm
Water Scale:	Gpm-lpm
Scale Length:	127mm (Nominal)
Standard Accuracy:	±5% Fs
Maximum Working Pressure:	100 Psig (6.7 Bar)
Maximum Operating Temperature:	150°F (65°C)
Leak Integrity:	1x10-7 Sccs Helium Or Better; Separately Leak Tested and Certified

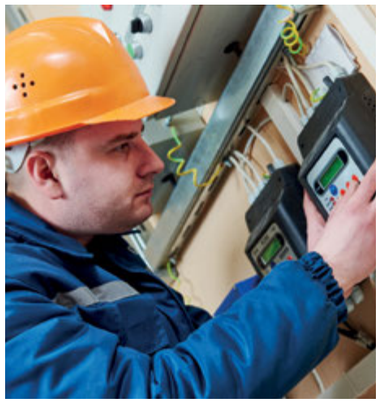
Aalborg P Model Flow Meter

Standard Accuracy:	±2% Fs (excluding Mm Scales - 032/042 Flow Tubes); ±5% Fs (Direct Reading Scales and 032/042 Flow Tubes)
Calibrated Accuracy:	±1% Fs
Repeatability:	±0.25% Fs
Useful Flow Range:	Minimum 10:1 With Single Float And Better Than 20:1 With Combination Of Two Floats Mounted In Meters
Maximum Working Pressure:	200 Psig (13.8 Bar)
Maximum Operating Temperature:	250°F (121°C)
Flow Tubes:	Heavy Walled Borosilicate Glass
Floats:	Glass, Sapphire, 316 Stainless Steel, Carboloy, and Tantalum
Backplate:	1/8 Inch Thick White Acrylic
Connections:	1/8 Inch Npt Female Input and Outlet Connections; Optional 1/4 Inch Fnpt, Hose and Compression Fittings Available

RST MEASUREMENT CONTROL TECHNOLOGIES

RST MEASUREMENT CONTROL TECHNOLOGIES

LEVEL METER

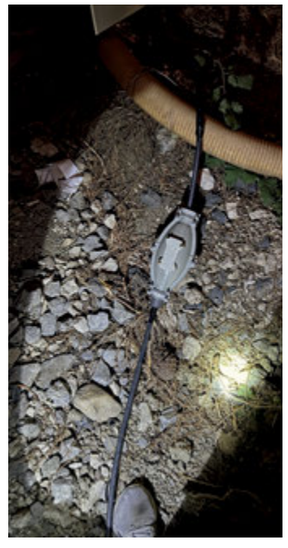


RST MEASUREMENT CONTROL TECHNOLOGIES

RST MEASUREMENT CONTROL TECHNOLOGIES

Level Meters

- Mini Level Switches – Plastic Type
- Mini Level Switches – Stainless Steel Type
- Float Type Level Transmitters
- Float Type Level Switches
- Magnetic By-Pass Level Indicators
- Side-Mounted Level Switches
- Conductivity Type Level Switches
- Diaphragm Type Level Switches for Solids
- Cable Type Level Switches
- Rotary Paddle Type Level Switches
- Vibrating Type Level Switches
- Capacitive Level Switches
- Hydrostatic Level Transmitters
- Capacitive Level Transmitters
- Liquid-Solid Vibrating Level Switches
- Ultrasonic Level Transmitters
- Ultrasonic Level Sensors



QUALITY CE CERTIFICATE

Mini Level Switch Plastic

Mechanical Connection:	M18 or 1/2" NPT
Application Voltage:	Maximum 240 Volts AC / 200 Volts DC
Withstand Current (Maximum):	0.5 A at 240 Volt AC
Operating Temperature:	-20°C to 80°C (-20°C to 120°C for PDF)
Body Material:	PBT+%30GF, PP, PVDF
Withstand Pressure:	10 Bar
Connection Type:	Vertical
Electrical Connection:	90 cm Cable Exit
Protection Class:	IP68

Mini Level Switches Stainless Steel

Application Sites:	Liquids
Mechanical Connection:	1/8", M10, 3/8" or 1/2"
Operating Temperature:	-20°C to +120°C (200°C optional)
Body Material:	304 SS or 316 SS Stainless Steel
Withstand Pressure:	Up to 10 Bar (Max), or 30 Bar (max), 5 Bar
Float Diameter:	28mm, 43mm, 52mm, or 73mm
Protection Class:	IP68
Application Voltage:	Maximum 240 Volt AC / 200 Volt DC, 50W
Withstand Current (Maximum):	0.5 A at 240 Volt AC

Float Level Transmitters

Application Sites:	Liquids
Mechanical Connection:	1 1/4", 2" or Flange Connection
Supply Voltage:	8-38 Volt DC
Analog Output:	4-20mA, 0-10 Volt, 0-5 Volt, Ohm Resistance
Temperature Range:	-20°C to +120°C (200°C optional)
Body Material:	304 SS or 316 SS Stainless Steel
Withstand Pressure:)	Up to 30 Bar (Max
Connection Type:	Vertical
Float Diameter:	43mm, 52mm, or 73mm
Electrical Connection:	DIN 43650 Socket or Junction Box
Protection Class:	IP65

RST-LS/LY Float Level Switch

Application Sites:	Liquids
Mechanical Connection:	1/2", 1"
Temperature Range:	-20°C to +120°C (200°C optional)
Body Material:	304 SS or 316 SS Stainless Steel
Withstand Pressure:	Up to 10 Bar (Max)
Connection Type:	Vertical
Float Diameter:	28mm, 43mm, or 52mm
Electrical Connection:	DIN 43650 Socket or PVC Cable
Protection Class:	IP65 or IP68
Application Voltage:	Maximum 240 Volts AC / 200 Volts DC
Withstand Current:	Maximum 0.5 A at 240 Volts AC

Magnetic Bypass Level Indicators

Application Sites:	Liquids
Mechanical Connection:	Thread 1/2", 3/4", 1", DN15, DN20, DN25
Connection:	Flanges (must be specified in the order)
Search Distance:	Not specified
Temperature Range:	Up to 150°C, optionally up to 200°C (max 300°C)
Body Material:	Stainless Steel
Gauge Body:	Aluminum
Indicator:	White Red Flap
Withstand Pressure:	Up to 16 Bar (optional 25 Bar, 40 Bar, and 100 Bar)
Pipe Diameter:	38mm, 60.3mm
Accessories:	Transmitter bar, level switch, scale, digital indicator

Side Mount Level Switches

Application Areas:	Liquids
Mechanical Connection:	92 X 92 Square Flange
Electrical Connection:	250 Volt AC, 15 Amper, Normally Open/Normally Closed Contact
Withstand Temperature:	Up to 150°C
Wet Parts:	316 SS Stainless Steel
Withstand Pressure:	Up to 25 Bar (Maximum)
Connection Type:	Horizontal
Protection Class:	IP65

Conductivity Type Level Switches

Probe Material:	304 Stainless Steel (Standard), Optional 316 Stainless Steel
Mechanical Connection:	R 1/2" to R 3/8"
Working Temperature:	60°C to 225°C
Working Pressure:	6 bar to 40 bar
Electrical Connection:	Cable, PG7, Terminal, and DIN 43650C
Electrode Material:	Series Material

Diaphragm Solid Level Switches

Product Code:	RST-LZ11
Mounting:	Vertical with mounting attachment
Contact Output:	1 x SPDT, 15A/250VAC
Body Material:	Fiber reinforced plastic
Diaphragm Material:	Neoprene, Viton, or AISI 304 Stainless Steel
Working Temperature:	Neoprene: -20°C to +80°C, Viton: -20°C to +150°C, Stainless Steel: -20°C to +200°C
Working Pressure:	Max. 3 bar (1 bar for stainless steel)
Protection Class:	IP40

BIP STOP Level Switch for Pump Control

Working mode:	Omnidirectional
Permissible liquid density:	0.70 Â 1.15
Maximum pressure:	3.5 bar
Permissible temperature:	85 ° C
Protection class:	IP 68
Power supply:	250 VAC / VDC - 50/60 Hz
Breaking power:	20 (8) A (20 A resistive - 8 A inductive)
House materials:	Copolymer polypropylene
Cable 3 cond. 1 mm²:	Neoprene or HR HY
Weight without cable:	105g
Cable weight:	Neoprene 115g/m - HR HY 110g/m
Ballast:	Loaded resin 175g or 250g - plastic 200g - clipable 275g
Standard cable length:	(serial) 3, 5, 10,15 and 20 m

Rotary Pedal Level Switch

Supply Voltage:	220 VAC / 110 VAC / 24V AC / 24VDC
Output:	250 VAC / 5 A, SPDT
Lead Wire:	5 strands, standard L is 500mm (available for custom length)
Process Compatibility:	Thread 3/4" PF (custom others available)
Power Consumption:	1.5W
Torque:	Approx. 4.9 Ncm
Rotary Speed:	1rpm
Insertion Length:	85 mm for standard model, extension available -30...+80°C, high-temperature version max. 200°C
Medium Temperature:	Winged type Rectangular, Machete, Flexible scissor models
Connection:	G1", 1 1½", 2½", flange
Shaft Length:	Can be extended 0-1m or by rope

Vibrating Fork Level Switch DMS For Liquid

Marka	Dimens
Muhafaza Malzemesi:	SUS 304
Koruma Sınıfı:	IP65 Konektör DIN, IP67 Konektörü M12x1.4pin
Proses Bağlantısı:	DMS-45: 1/2", 3/4" veya 1" BSPT/G, DMS-100: 1" BSPT/G, Üçlü Kelepçe Flan
Çalışma Gerilimi:	12-55 VDC
Güç Tüketimi:	10mA
Çıkış:	PNP / NPN (maks.400mA) röle
Frekans:	1200 Hz (VSTJ-40), 304 Hz (VSTJ-100) <1,0s
Elektrik Bağlantıları:	DIN M12x4 pin
Kontrol Göstergesi:	Yeşil - Güç Kaynağı, Kırmızı - Anahtarlama Durumu
Ortamın Yoğunluğu:	Daha fazla 0,6g/dm3
Ortamın Viskozitesi:	1,0...10 000 cSt
Islak Uzunluk:	DMS-40 48mm, DMS-100 106mm
Anahtarlama Gecikmesi:	Prob ve diş parçalarının malzemesi SUS 316L

Capacitive Level Switch

Besleme Gerilimi:	220V AC, 24V AC, 110V AC, 24V DC
Çıkış:	SPDT Rölesi
Çıkış Kapasitesi:	220V AC, 10A; 30V DC, 10A
Tepki Süresi:	0~10 sn, Seçilebilir
Ortam Sıcaklığı:	-25...+80°C, Standart; -25...+200°C, Yüksek Sıcaklık; -25...+1000°C, Ultra Yüksek Sıcaklık
Gövde:	Alüminyum
Koruma Sınıfı:	IP65

Hydrostatic Level Transmitters

Product Code:	DMS 800
Application Sites:	Liquids
Measuring Range:	0…1 mt. with 0….250 meters. Between
Withstand Temperature:	-20…….+70°C
Body Material:	316 SS Stainless Steel (PTFE Optional)
Electrical Connection:	Wired
Signal Output:	4-20mA, 0-10Volt, 0-5 Volt
Sensitivity:	0.5% T.S
Supply:	10….32 volt DC
Cable:	PVC Standard, PUR, PE Silicon Optional
Sensor Diameter:	26.5 mm
Protection Class:	IP68

Capacitive Level Transmitter

Power Supply Standard:	220VAC/110VAC; 4VAC/24VDC
Contact Capacity:	250VAC/10A, DC30V/10A, SPDT
Power:	4.5VA
Temperature:	-25°C~70°C
Delay:	0-10S adjustable
Protection Class:	IP65
Ambient temperature Probe:	SUS304 or SUS316
Insulation:	UPE or PTFE
Grounding Sleeve:	SUS304 or SUS316
Connection:	SUS304 or SUS316 (1"PT default)
Body:	Aluminum paint
Pipe opening:	G3/4"
Cover:	Aluminum
Common temperature type:	-25°C-80°C; High temperature type: maximum 200°C; Maximum temperature type: maximum 1000°C
Output:	4-20 mA / 0-10 V

Liquid / Solid Vibrating Level Switch DMS-VD

Operating Voltage:	Automatic adaptation 20-35V DC, 30-250V AC
Power Consumption:	1.5W (Max.)
Insulation Voltage:	1500V (Min.)
Surge Protection:	CAT III
Output:	Relay DPDT (Double pole, Double Throw), 250VAC
Switching Delay:	0-30s, <0.5s
Electrical Connections:	M20X1.5
Ambient Temperature:	-40 to +70°C
Process Temperature:	-40 to +250°C
Process Pressure:	0.1~6.3 MPa
Process Fit:	Di 1/2" or 3/4" BSPT
Material of Probe:	SUS 304/316L
Measuring Range:	Up to 4m (max.)
Insert Length:	48mm
Frequency:	1200Hz
Density of Liquid:	0.6g/cm3
Protection Class:	IP67
Connection:	1/2", 3/4", 1", flange

Ultrasonic Level Transmitter DMS

Level Range:	5, 10, 15, 20
Accuracy:	0.5% - 1.0%
Resolution:	3 mm or 0.1%
Display:	LCD Display
Output:	Two-wire 4-20mA / 250 Load, HART
Relay Output:	Optional
Power Supply:	Standard 24VDC
Ambient Temperature:	-20°C to +60°C, Sensor -20°C to +80°C
Communication:	RS485 MODBUS optional
Protection Class:	Sensor IP65, Converter IP68
Cable Length:	Up to 10m if the cable is separated
Probe Setup:	According to level range

Double Sheet Ultrasonic Sensor

Model Code	DMS-UD860-18GM75-VC
Detection Range	30 – 60 mm
Resolution	1 mm
Detection Method	Ultrasonic, non-contact
Voltage Supply	18 – 60 VDC
Output Type	3-way PNP/NPN
Housing	M18 cylindrical, nickel-plated
Response Time	~15 ms
Indicators	Green (OK), Yellow (Air), Red (Double)
Protection Rating	IP67
Operating Temp.	-25°C to +70°C
Connection	2 m, 6-core cable

Ultrasonic Level Sensor | Long-Range Precisio

Model Code	DMS-UB4000-F40-E4-V1
Detection Range	350 – 4000 mm
Blind Zone	350 mm
Resolution	1 mm
Response Time	100 ms
Output Type	NPN (NO/NC)
Supply Voltage	15 – 30 VDC
Housing Type	40 × 40 × 67 mm cube (plastic)
Connector	M12, 4-pin
Protection Rating	IP67
Operating Temp.	-25°C to +70°C

Synchronous Ultrasonic Sensor | Crosstalk-Free

Model Code	DMS-UB2000-30GM85-SYN-V1
Detection Range	180 – 2000 mm
Blind Zone	180 mm
Resolution	1 mm
Response Time	100 ms
Output Type	Synchronisation Input/Output
Voltage Supply	15 – 30 VDC
Housing Type	M30 cylindrical
Protection Rating	IP67
Operating Temp.	-25°C to +70°C
Connection	M12 5-pin sync connector
Housing Material	Nickel-plated brass & plastic

Ultrasonic Level Sensor | Long-Range Accura

Model Code	DMS-UB2000-30GM85-E4-V1
Detection Range	180 – 2000 mm
Blind Zone	180 mm
Resolution	1 mm
Response Time	100 ms
Output Type	NPN (NO/NC)
Voltage Supply	15 – 30 VDC
Housing Type	M30 cylindrical
Protection Rating	IP67
Operating Temp.	-25°C to +70°C
Connection	M12 4-pin connector
Housing Material	Nickel-plated brass & plastic

Model Code	DMS-UB1000-18GM75-E4-V1
Detection Range	60 – 1000 mm
Blind Zone	60 mm
Resolution	0.5 mm
Repeatability	±0.15%
Output Type	NPN (NO/NC)
Voltage Supply	15 – 30 VDC
Response Time	100 ms
Switching Frequency	10 Hz
Protection Rating	IP67
Housing Type	M18 cylindrical
Connection	4-pin M12 connector
Operating Temp.	-25°C to +70°C
Material	Nickel-plated brass & plastic

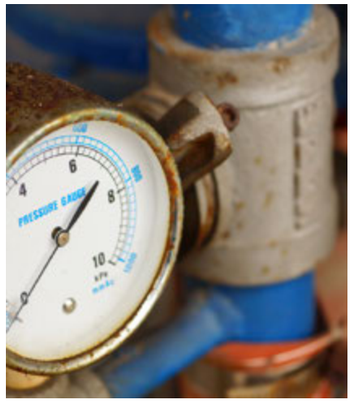
Model Code	DMS-UB150-18GM40-E4-V3
Detection Range	20 – 150 mm
Blind Zone	20 mm
Resolution	0.17 mm
Repeatability	±0.15%
Output Type	NPN, NO/NC
Voltage Supply	15 – 30 VDC
Response Time	50 ms
Switching Frequency	20 Hz
Protection Rating	IP67
Housing Type	M18 Cylindrical
Connection	4-pin M12 connector
Operating Temp.	-25°C to +70°C
Material	Nickel-plated brass & plastic

RST Elektronik's Dimens Ultrasonic Level Sensors provide reliable solutions for non-contact and continuous level measurement. Operating with high-frequency sound waves, these sensors deliver precise measurement performance for liquids, bulk solids, and granular materials.

Thanks to their IP67 protection class, they offer long-lasting, maintenance-free operation in demanding industries such as water treatment, chemical, food & beverage, and oil & gas. Unaffected by color, transparency, or surface structure, Dimens sensors ensure dependable results in any environment.

With easy installation, compact design, and multiple output options (4–20 mA, 0–10 V, switching outputs), Dimens ultrasonic sensors guarantee accuracy and reliability for all industrial systems—backed by the assurance of RST Elektronik.

RST MEASUREMENT CONTROL TECHNOLOGIES



PRESSURE GAUGE

RST MEASUREMENT CONTROL TECHNOLOGIES

Pressure Gauge

- H-Series Standard Pressure Transmitters
- Diaphragm Type Pressure Transmitters
- Industrial Type Pressure Transmitters
- Differential Pressure Transmitters
- PHD Series Industrial Pressure Transmitters
- Air Differential Pressure Transmitters
- Air Differential Pressure Switches
- Pressure Switch
- Pressure Gauge (Manometer)

Standard Pressure Transmitters DMS 20S

Electrical Output:	4-20mA, 0-10V, 0-5V, 0.5-4.5V R/M
Supply Voltage:	12-30VDC
Pressure Range:	-1, 0-100mBar, 2000Bar
Sensitivity:	0.5%TS, 0.1%TS without hysteresis
Response Time:	<1ms (up to 90% TS)
Maximum Pressure:	X1.5
Process Temperature:	-30°C to 105°C, -40°C to 100°C
Ambient Temperature:	-20°C to 85°C
Protection:	IP65
Diaphragm Material:	AISI 316L
Body Material:	AISI304
Mechanical Connection:	G1/4", G1/2", Other connections available on request

Diaphragm Type Pressure Transmitters DMS 400

Product Models:	DMS400, DMS300
Pressure Range:	-1…0 ~ 100 mBar…..600 Bar
Electrical Output:	4-20mA, 0-10V, 0-5V, 0.5-4.5V R/M
Supply Voltage:	12-30VDC
Pressure Type:	Gauge Pressure, Absolute Pressure, Sealed Gauge Pressure
Sensitivity:	0.5%TS (0.2% ops)
Hysteresis:	0.1%TS
Repeatability:	0.1%TS
Response Time:	≤1ms (up to 90% TS)
Maximum Pressure:	3xMax. Scale, X2
Process Temperature:	-30°C..105°C (-30..150°C, -30..250°C optional)
Ambient Temperature:	-20°C...85°C
Protection:	IP65
Diaphragm Material:	AISI 316L
Body Material:	AISI316
Mechanical Connection:	G1/2", NPT 1/2", G1" M20x1.5, ZG1/2" M30X1.5 or Hygienic DN50 Clamp
Explosion-proof Protection:	Exia II CT6

Industrial Type Pressure Transmitters

Brand / Model:	Dimens
Measurement Range:	1 Bar - 1000 Bar (Adjustable Pressure Range), -1 Bar ~ 10 Bar (Adjustable Pressure Range), 0.1 Bar - 30 Bar (Adjustable Pressure Range)
Output Signal:	4-20mA, 4-20mA+HART (Other signals available upon request)
Precision:	±0.075% URL (Optional: ±0.05% URL; ±0.1 URL; ±0.2% URL; ±0.5% URL)
Stability:	±0.2% URL/Year
Diaphragm:	SUS316L, Hastelloy C
Fluid Temperature:	-40-120°C
Protection Class:	IP67
Mechanical Connection:	M20*1.5(M), G1/2(M), G1/4 (M), 1/2-14NPT(M), etc., DN50PN10 flange, DN25PN10 flange, Tri-Clamp 1-1/2", Tri-Clamp 2", DN25 / DN40 / DN50, SMS DN1-1 / 2", DN38/DN40/DN51, DIN11851
Certifications:	CSA, ATEX, IECEx, NEPSI, RoHS, CE

Industrial Type Differential Pressure Transmitter

Measuring Range:	2 milliBar - 100 Bar
Process Connection:	M20 * 1.5 (M), 1/2-14NPT(F), 1/4-18NPT(F)
Output Signal:	4-20mA, 4~20mA/HART, customer
Reference Accuracy:	±0.075% URL, optional ±0.05% URL
Process Temperature:	-40-120°C
Measurement Medium:	Liquid, gas or vapor flow as well as liquid level, density and pressure
Ambient Temperature:	-40-120°C
Power Supply (4-20mA two-wire):	10.5-55VDC
Power Supply (4-20mA + HART two-wire):	16.5-55VDC
Diaphragm Material:	SUS316L, Hastelloy C
Protection Class:	IP67
Approvals:	CSA, ATEX, IECEx, NEPSI, RoHS, CE

Industrial Type Differential Pressure Transmitters

Measuring Range:	1 milliBar - 10 Bar, 400 milliBar - 10 Bar
Process Connection:	DN50PN10, DN80PN10, DN100PN10
Output Signal:	4-20mA, 4~20mA/HART, customer
Reference Accuracy:	±0.1% URL, ±0.2% URL, ±0.5% URL, optional ±0.075% URL
Process Temperature:	-40-120°C
Measuring Medium:	Pressure, level, differential pressure, density, interface, flow
Ambient Temperature:	-40-120°C
Power Supply (4-20mA two-wire):	10.5-55VDC
Power Supply (4-20mA + HART two-wire):	16.5-55VDC
Stability:	±0.2% URL / 5 years
Diaphragm Material: SUS316L, Hastelloy C	±0.2% URL / 5 years
Protection Class:	IP67
Approvals:	CSA, NEPSI, CE, RoHS

Differential Pressure Transmitters

Product Model:	DMS 400 DP
Static Pressure:	20 Bar (Max.)
Pressure Reference:	Differential pressure
Signal Output Current:	4-20mA (16-36VDC)
Signal Output Voltage:	1-5V, 0-5V (12-36VDC)
Accuracy:	0.5% FS (typical)
Response Time:	1 ms (up to 90% FS)
Fluid Temperature:	-10°C ~ 70°C
Storage Temperature:	-40 °C ~ 125 °C
Insulation Resistance:	200MΩ / 250VDC
Shock Resistance:	100 g (11 ms)

PHD330 Industrial Type Differential Pressure Transmitter

Input Type:	Piezoelectric differential pressure module
Measuring Range:	±50 ... ±10000 Pa
Output:	4 ... 20 mA / 0 ... 10 V
Signal Connection:	3-wire
Modbus:	RS-485
Load Resistance:	4 ... 20 mA < 500 Ω / 0 ... 10 V ≥ 100 KΩ
Response Time (t63):	≤ 2 ms
Display Range:	V=Air velocity (at 25°C) / Q=Air quantity (with eYc AFMT)
Measurement Medium:	Air
Operating Temperature:	-20 ... +80°C (No display) / 0 ... +50°C (Display)
Operating Humidity:	0 ... 95% RH (Non-condensing)
Storage Temperature:	-40 ... +80°C
Accuracy:	±2.0% F.S.
Temperature Influence:	±1.75% (5 ... 55°C)
Power Supply:	AC 24 V ±10% / DC 24 V ±10%
Current Consumption:	DC 24 V: ≤ 45 mA (Display) / ≤ 40 mA (Without display), AC 24 V: ≤ 95 mA (Display) / ≤ 90 mA (Without display)
Pressure Resistance:	±50 ... ±500 Pa: 0.25 bar / ±1000 ... ±10000 Pa: 0.5 bar
Burst Pressure:	±50 ... ±2500 Pa: 0.75 bar / ±5000 ... ±10000 Pa: 1.25 bar

PMD330 Differential Pressure Transmitter

Brand/Model:	EYC/PMD 330
Input Type:	Piezoelectric differential pressure module
Measuring Range:	±50 ... ±10000 Pa
Output:	4 ... 20 mA / 0 ... 10 V / RS-485
Current Output:	4 ... 20 mA < 500 Ω; 0 ... 10 V ≥ 1 KΩ
Display Range:	2 decimal places on request (since the unit is Pa: 1 decimal place
Digit Height:	5.56 mmPerimeter
Measuring Medium:	Air
Operating Humidity:	0 ... 95% (non-condensing)
Storage Temperature:	-20 ... +60°C
Accuracy (at 25°C):	±2.0% of F.S.
Temperature Effect:	±1.75% (5 ... 55°C)
Electrical:	
Power Supply:	AC 24 V ±10% / DC 24 V ±10%
Current Consumption:	AC 24 V: <95 mA (Display) / <90 mA (Without display)
Overvoltage Protection:	< DC 40V
Electrical Connection:	M type (M12 - 4 PIN connector) / (M12 - 5 PIN connector) N type (M16 plastic cable gland)
Pressure Resistance:	±50 ... ±500 Pa: 0.25 bar / ±1000 ... ±10000 Pa: 0.5 bar
Burst Pressure:	±50 ... ±2500 Pa: 0.75 bar / ±5000 ... ±10000 Pa: 1.25 bar

Air Differential Pressure Transmitter DMS600

Product Code:	DMS600
Pressure Range:	0 ~ 250 Pa, 1 kPa, 100 kPa (Vacuum available upon request)
Pressure Type:	Differential Pressure
Signal Output:	4 ~ 20 mA
Supply Voltage:	16 ~ 36 V DC
Working Temperature:	-10°C ~ 60°C
Process Temperature:	-10°C ~ 60°C
Storage Temperature:	-40°C ~ 125°C
Overpressure:	200% Full Scale
Comprehensive Accuracy:	Varies (See detailed breakdown in full specifications)
Response Time:	≤1 ms (up to 90% Full Scale)
Long-term Stability:	±0.2% Full Scale per year
Protection Class:	IP65

Air Differential Pressure Switch PS Series

Body:	ABS
Membrane:	Silicone
Operating Temperature:	-20°C to +60°C
Maximum Pressure:	50 kPa
Fluid Used:	Air and Non-Aggressive Gases
Contact Life:	1,000,000 pulls
Protection:	IP54
Connection:	5 mm hose

Model code	Pressure Range	Pressure adjustment range	Switching Sensitivity low value	Switching Sensitivity high value	Contact current withstand for resistive load	indüktif yük için kontak akım dayanım
PS200	20...200 Pa	10 Pa	20Pa ±5 Pa	200Pa ±20Pa	0,1A / 250VAC	-
PS300	30...300 Pa	20 Pa	30Pa ±5 Pa	300Pa ±30Pa	3A / 250VAC	2A / 250VAC
PS500	30...500 Pa	20 Pa	30Pa ±5 Pa	500Pa ±30Pa	3A / 250VAC	2A / 250VAC
PS600	40...600 Pa	30 Pa	40Pa ±5 Pa	600Pa ±30Pa	3A / 250VAC	2A / 250VAC
PS1500	100...1500 Pa	80 Pa	100Pa ± 10Pa	1500Pa ±50Pa	3A / 250VAC	2A / 250VAC
PS4500	500...4500 Pa	180 Pa	500Pa ± 50Pa	4500Pa ±200Pa	5A / 250VAC	2A / 250VAC

Digital Pressure Switch DMS-PS131

Brand/Model:	Dimens / DMS-PS131
Pressure Types:	Gauge Pressure
Measurement Range:	200 mbar - 400 Bar
Output Signal:	4-20mA, 1-5VDC, Modbus-RTU/RS485, PNP or NPN output (customer request)
Reference Accuracy:	0.1% URL
Stability:	±0.2% URL / 5 years
Ambient Temperature:	-40°C to 120°C
Process Connection:	Standard G1/4 (M), G1/2 (M), M20*1.5 (M), optional
Electrical Connection:	Pin Cable M12*1 (5 pin)

Pressure Switch DMS-XXP-XXS

Body Material:	Polypropylene, 316 Stainless Steel
Diaphragm:	NBR (Nitrile Butadiene Rubber), optionally Viton or Rust. Steel
Plastic Parts:	Polypropylene
O-Ring:	NBR, Rust. Steel, Viton
Mechanical Connection:	R1/4"
Strength:	x1.5
Contact:	1xNO/NC
Operating Life:	10,000,000 cycles
Operating Temperature:	–40°C–40°C to +60°C+60°C; optionally up to +120°C+120°C
Protection Class:	IP65

Standard Series Manometers

Application:	General purpose pressure measurement
Fluid Compatibility:	Non-corrosive gases and liquids
Common Applications:	Pneumatic systems, heating-ventilation systems, medical industry, machinery manufacturing industry
Gauge Diameters:	40 mm, 50 mm, 63 mm, 100 mm, 160 mm
Measuring Ranges:	–1 bar to 0 bar–1barto0bar to 0 bar to 400 bar0barto400bar
Process Connections:	G 1/8 (40 mm), G 1/4 B (50 mm, 63 mm), G 1/2 B (100 mm, 160 mm)
Sensitivity:	Class 2.5 (40 mm, 50 mm, 63 mm, 100 mm), Class 1.6 (160 mm)
Fluid Temperature:	Maximum +60 C+60 C

Standard Series Manometers Contact Manometers

Application Areas:	Process control and monitoring systems in various industries including the chemical and petrochemical industry, energy production plants, purification systems, ship industry, and food and beverage industry.
Material:	Stainless steel
Fluid Compatibility:	Non-corrosive fluids, rigid fluids that do not contain particles
Gauge Diameters:	100 mm, 160 mm
Measuring Ranges:	–1 bar to 0 bar, 0 bar to 1600
Process Connections:	G 1/2 B
Sensitivity:	Class 1.0 (100mm, 160mm)
Fluid Temperature: Maxim	+200 C+200 C (A300 dry type), Maximum +100 C+100 C (A300G silicone filled type)
Contact Positions:	NO (Normally Open) - NC (Normally Closed) - SPDT (Single Pole Double Throw), NA.NA - NA.NK - NK.NA - NK.NK (Double contact)

Complete Stainless Series Diaphragm Manometers

Fluid Compatibility:	Gas and liquid fluids with corrosive and abrasive effects, free of solid particles, dense fluids
Common Applications:	Ship industry, clean water transportation systems, wastewater systems, chemical and petrochemical industry, energy production plants
Gauge Diameters:	63 mm, 100 mm, 160 mm
Measuring Ranges:	–1 bar to 0 bar,0 bar to 400 bar
Process Connections:	
Sensitivity:	Class 1.6 (63mm), Class 1.0 (100mm, 160mm)
Fluid Temperature:	Maximum +150 C+150 C (A300 dry type), Maximum +100 C+100 C (A300G glycerin type)

General Purpose Manometer

Body Diameters:	Ø40, Ø50, Ø63, Ø100, and Ø160 mm
Pressure Range:	0.6 bar to 600 bar (2.5 bar to 315 bar for Ø40-50 mm)
Accuracy:	±2.5% (KL. 2.5) by default, with an option for ±1.6% (KL. 1.6) based on demand
Pulsed Pressure or Vibration:	Considered in design
Liquid Filled Types:	Utilized in environments for Ø50, Ø63, Ø100, and Ø160 mm diameters
Fluid Temperature:	Up to +60°C by default, potentially up to +120°C depending on the system
Working Pressure:	75% of Full Scale
Conformity:	Compliant with EN837/1 standards
Protection Class:	IP41 as standard, IP65 available as an option
PED Directive:	Compliant with Directive 97/23/EC

Humidity and Temperature Meter

Temperature and Humidity Transmitter / Indoor Type THR23

Brand:	eYc Taiwan
Product Type:	THR23 Room Type
Measuring Range:	0 ... 50 °C / 0 ... 100% RH (non-condensing)
Analog Output:	0 ... 10 V / 4 ... 20 mA
Communication Interface:	RS-485 Modbus
Warm-up Time:	<2 min; Stable Time: 20 min
Temperature Effect:	Max. -0.15% RH/(0°C...80°C)
Response Time:	t63 (15 ... 45 °C / 33 ... 75% RH) < 10 s
Accuracy:	± 0.5 °C / ± 5% Relative Humidity (at +25 °C, DC 24 V)
Ambient:	Air
Operating Environment:	0 ... + 50 °C / 0 ... 100% RH (non-condensing)
Storage Environment:	-20 ... + 60 °C
Power Supply:	DC 12 ... 36 V & AC 24 V ± 10%

Humidity Temperature Transmitter THS13,THS14

Brand Model:	eYc-Tech / THS13,14
Product Type:	Wall mount Type, Duct Mount Type
Input type:	Capacitive humidity sensor and Pt1000
Temperature:	0 ... 50 °C
Humidity:	0 ... 100% Relative Humidity
Temperature Accuracy:	± 0.3 °C + 0.002 °C x t actual
Humidity Accuracy:	± 3% RH (20 . . . 80%)
Temperature Effect:	0.2% Relative Humidity
Output:	4 ... 20 mA
Signal Connection:	2-wire
Load Resistance:	2 wire current < (V-10) / 0.02 < 500
Power Supply:	2-wire DC 11 ... 35 V
IP Rating:	IP54 (Sensor: IP20)

Humidity Temperature Transmitter THS130,THS140

Brand / Model:	eYc-tech / THS 130,140
Measuring Range:	0 ... 50°C / 0 ... 100% RH
Output:	4 ... 20 mA / 0 ... 10 V
Signal Connection:	2-wire / 3-wire
Warm-up Time:	< 2 min
Stable Time:	20 min
Response Time (t63):	< 10 sec
Sampling Time:	Approx. 3 sec
Temperature Effect:	Max. -0.15% RH/°C (0 ... 80°C)
Load Resistance:	Current < 250 Ω; Voltage > 10KΩ
Accuracy (at 25°C):	±0.5°C / ±5% RH (30 ... 80% RH)
Operating Temperature:	0 ... +50°C
Operating Humidity:	0 ... 100% RH (Non-condensing)
Storage Temperature:	-20 ... +60°C
Power Supply:	DC 15 ... 35 V / DC 19 ... 35 V & AC 24 V ± 10%
Additional Option:	TAF accreditation; 3032 with ISO/IEC 17025 compatible
Test Report:	ILAC/TAF - Standard Calibration Lab

Prob Tipi Nem Sıcaklık Transmitterleri THS07

Brand/Model:	eYc-tech / THS07
Features:	Probe type, Easy to install, Cost-effective
Sensor Type:	Thermal mass flow sensor & Pt100
Measuring Range (Temperature):	0 ... +50°C
Measuring Range (Humidity):	5 ... 95%RH
Output:	4 ... 20 mA, DC 0 ... 10 V
Accuracy (Temperature):	±0.5°C
Accuracy (Humidity):	±3%RH
IP Rating (Sensor):	IP20
IP Rating (Body):	IP54
MOQ:	20 PCS

Industrial Humidity Temperature Transmitter THM 801,802,803

Brand/Model:	eYc-tech / THM80
Input:	Capacitive Humidity Sensor and Pt100 class A
Temperature Range:	-40 ... +80; 120 B9 °C
Humidity Range:	0 ... 100%RH
Dewpoint Range:	-40 ... +60 dp °C
Accuracy (at 25°C):	Temperature: ±0.15°C ± 0.002°C x tactile, Humidity (0% ... 90%): Non-linear error ±1.2% RH, Hysteresis error ±0.8% RH, Repeatability error ±0.4% RH, Humidity (90% ... 100%): ±2% RH
Thermal Sensitivity:	0.05% RH/°C
Output:	0 ... 20 mA / 4 ... 20 mA / 0 ... 1 V / 0 ... 5 V / 0 ... 10 V
Digital Output:	RS485 Modbus
Signal Connection:	3 Wire
Working Pressure:	Up to 10 Bar
Power Supply:	DC 8 ... 35 V / AC 12 ... 30 V
IP Rating: Housing:	IP65; Probe: IP20
Display Features:	Double Character and 4 different Parameter display feature (Optional)
Additional Option:	ILAC/TAF Test report - Standard calibration laboratory (TAF accreditation! 3032, ISO/IEC 17025) TAF, ILAC has a mutual recognition arrangement with MRA

Humidity Temperature Transmitter THS 301,302,303

Brand/Model	eYc-Tech / THS30
Product Types	THS301: Wall Mount Type, THS302: Duct Mounting Type, THS303: Rust. Duct Mounting Type with Probe
Measuring Range	Temperature: 0 ... 50°C or -40 ... 120°C (max. 150°C), Humidity: 0 ... 100% RH, Dew point: -40 ... +60°C
Accuracy (at 25°C)	Temperature: ±0.20°C ± 0.005 x Tactile, Humidity: ±2% RH
Output	0 ... 20mA / 4 ... 20mA / 0 ... 1VDC / 0 ... 5VDC / 0 ... 10VDC / RS-485 (RS-485 standard data page or 2 analog outputs)
Signal Connection	3-wire
Current Output, Voltage Output	Max. 500, Min. 10K
Power Supply	8 ... 35VDC, 12 ... 30VAC
Protection Class	Housing: IP65, Probe: IP20
Body Temperature Effect	0.05% RH/°C

Discrete Probe Type Industrial Humidity Temperature Transmitter THS 304/305

Brand/Model	eYc-Tech / THS304,305
Product Type	THS304: PC Cable Probe, THS305: Teflon Cable Split Type Transmitter
Measuring Range	PC Cable Probe: -40 ... 80°C, Probe with Teflon Cable: -40 ... 100°C, Humidity: 0 ... 100% RH, Dew point: -40 ... +60°C
Accuracy (at 25°C)	Temperature: ±0.20°C ± 0.005 x Tactile, Humidity: ±2% RH
Temperature effect of the body	0.05% RH/°C
Output	0 ... 20mA / 4 ... 20mA / 0 ... 1VDC / 0 ... 5VDC / 0 ... 10VDC / RS-485 (or RS-485 Modbus + 2 Analog outputs)
Signal Connection	3-wire
Current Output, Voltage Ou	Max. 500, Min. 10K
Power Supply	8 ... 35VDC / 12 ... 30VAC
Protection Class	Housing: IP65, Probe: IP20

Nem Sıcaklık Transmitteri Eyc THE110/120

Brand/Model	THE110/120
Sensor	CMOS
Analog Output	4...20 mA, 0...10 V
Operating Range	0...100%RH
Operating Temperature	+0 ... 50°C
Temperature Accuracy	± 0.5°C
Humidity Accuracy	± 5%RH
Box Material	PC
Protection Class	IP54
Signal Connection	2-wire / 3-wire
Supply Voltage	15 ... 35 VDC (2 wires); 19 ... 35 VDC & 24 ± 10% VAC (3-wire)

Outdoor Industrial Humidity Temperature Transmitter THS307

Brand/Model	eYc-Tech / THS307
Product Type	THS307 Outdoor
Measuring Range	Temperature: -40 ... +80°C Humidity: 0 ... 100% RH Dew point: -40 ... +60°C dp
Accuracy (at 25°C)	Temperature: ±0.20°C ± 0.005°C x Tactile Humidity: ±2% RH
Temperature Effect of the Body	0.05% RH/°C
Exit	0 ... 20mA / 4 ... 20mA / 0 ... 1VDC / 0 ... 5VDC / 0 ... 10VDC / RS-485 (or RS-485 Modbus + 2 Analog outputs)
Signal Connection	3-wire
Load Resistance	Current output max. 500 / Voltage output min. 10K
Power Supply	8 ... 35VDC / 12 ... 30VAC
Protection Class	Housing: IP65; Probe: IP20

Ex-Proof Humidity Temperature Transmitter THM14-EX

Brand/Model	eYc-Tech / THM - EX
Product Type	THM14-Ex
Input	Capacitive Humidity Sensor & PT 1000Ω
Measuring Range	Temperature: -20 ... +80°C Humidity: 0 ... 100% RH
Output	4...20mA
Signal Connection	2 Wire
Accuracy	Temperature: ±0.3°C + 0.002°C x t actual Humidity: ±2% RH (20...80%)
Temperature Error	0.2%RH/°C
Load Resistance	4 ... 20 mA, Ω 500 Cal
Response Time	t90 (Temperature: +25°C; Flow ≥ 1 m/s) <20 sec.
Environment	Air
Operating Temperature	-20 ... +80°C
Operating Humidity	0 ... 100% RH (unconditioned)
Storage Temperature	-20 ... +80°C
Power Supply	24 ± 10% VDC, Ui = 24V, Li = 100mA, Pi = 0.78W, Ci ≈ 0, Li ≈ 0

Probe Type Air Speed Transmitter FTS07

Brand / Model:	eYc-Tech / FTS07
Measurement Range:	10m/s! 20m/s
Accuracy (at 25°C):	±5% FS (at 25°C! 45%RH)
Output:	DC 0 ... 10 V
Overload resistance:	10KΩ
Overvoltage protection:	<DC 35V
Operating Temperature:	15...35°C
Response Time:	1 Sec.
Power supply:	DC 24V ±20%
Electrical Protection:	Reverse Polarity Protection, High Voltage Protection
IP rating:	IP20
Housing:	PC fire-Proof(UL94V-2)
Additional option	(ILAC / TAF) Test report - Standard calibration laboratory (TAF accreditation: 3032, ISO / compliant with IEC 17025), with TAF, ILAC MRA has a mutual recognition arrangement

Thermal Air Velocity Transmitter FTS34/35

Brand/Model	eYc-Tech / FTS34/35
Product Type	FTS34/35
Sensor Type	Thermal mass flow sensor
Air Velocity Measurement Range	2 m/s; 10m/s; 20m/s; 40m/s
Air Speed Min. Measurement Range	0.2 m/s
Accuracy (+25°C)	Air Speed: ±2% FS (Non-linear error, hysteresis error, repeatability error) / Thermal sensitivity temperature error: 0.1%/°C
Sampling Time	< 3 sec.
Output	4 ... 20 mA / DC 0 ... 10 V
Signal Connection	3-wire
Load Resistance	≤ 500 Ω (Current output) / ≥ 10 KΩ (Voltage output)
Overvoltage Protection	DC : <45V; AC : <40V
Power Supply	DC 8 ... 35V / AC 12 ... 30 V
IP Rating	IP54
Display	LCD Optional

CO2 Transmitter GS 43/44

Brand/Model:	eYc-Tech
Product Type:	Gas Sensor
Input:	NDIR Sensor
Measuring Range:	2000 / 5000 / 10000 PPM
Output:	4 ... 20 mA + RS-485
Signal Connection:	3-wire
Accuracy: Sensitivity:	±1 PPM ±1% of measured value; Linear Accuracy (at +25°C): 400 ... 2000 PPM: ±40 PPM ±3% of reading, 2000 ... 10000 PPM: ±250 PPM ±3% of reading
Temperature Error:	0.1%/°C
Load Resistance:	Voltage Output: ≥10 KΩ, Current Output: < 250 Ω
Response Time:	GS43: < 2 min., GS44: < 6 min.
Environment:	Medium: Non-aggressive gas (HVAC system), Operating Temperature: 0 ... 50°C, Operating Humidity: Tarps: 0 ... 95%RH (Non-condensing), Non-woven: 0 ... 85%RH (Non-condensing), Storage
Temperature: -20 ... +60°C	
Power Supply:	DC 12 ... 36 V & AC 24 V ±10%

GM33/34 CO Transmitter

Brand/Model:	eYc-Tech / GM33/34
Product Type:	GM33 Wall Mounted, GM34 Channel Type
Sensor Type:	Giri Electrochemistry CO Sensor
Measuring Range:	0 ... 500 PPM
Linear Accuracy (25±2, 40±10%RH):	±3% FS (best zero point)
Analog Output:	0 ... 1 V ; 0 ... 5 V ; 0 ... 10 V ; 1...5V ; 0 ... 20 mA ; 4 ... 20 mA
Digital Output:	RS-485; RS-485 & Analog
Signal Connection:	3 Wire
Overload Resistance:	<500 for 0 ... 10 V, 4 ... 20 mA for 0 ... 10 KΩ
Output Calibration:	Factory software calibration
Power Source:	AC 12 ... 30 V or DC 8 ... 35 V
IP Rating: Enclosure:	IP65; Sensor: IP2

Multifunctional CO2/PM2.5 Indoor Air Quality Monitor TGP03/THP03

Brand/Model:	eYc-Tech / TGP03/THP03
Temperature:	0...50°C
Humidity:	0 ... 100% RH (No condensation)
CO2:	0 ... 2000 ppm
PM2.5:	0 ... 500 /m³
Accuracy:	Temperature: ±0.5°C; Humidity: ±5% RH (at 30 ... 80% RH); CO2: ±40 PPM ±3% of Reading; PM2.5: ±10 /m³, ±5% Reading
Output Signal:	RS-485 Protocol
Signal Connection:	3-wire
Power Supply:	AC 24 ± 10% DC: 12...36V
Protection Class:	IP20

THS88 Industrial High Pressure Low Humidity Dew Point Transmitter

Brand/Model:	eYc-Tech / THS88
Input type:	Capacitive humidity sensor & Pt100
Operating range of dew point:	-60 ... +60 dp°C
Output:	4 ... 20 mA+RS-485 (Standard), 0 ... 10 V+RS-485 (on request)
Output signal:	4 ... 20 mA+RS-485 (Standard), 0 ... 10 V+RS-485 (on request)
Signal connection:	3-wire
Linear accuracy:	±1 dp°C (at -20 ... +20 dp°C), ±1.5 dp°C (at -40 ... +20 dp°C), ±2 dp°C (at -60 dp°C)
Load resistance:	Current output: ≤ 500 Ω, Voltage output: ≥ 100 KΩ
Response time t90(Temp. at+25°C):	<20 sec
Electrical:	Power supply: DC 24 V±15%, Current consumption: DC 24 V, 50 mA, Electrical connection: M12 connector
Environment:	Medium: Air, Operating Temp. for housing: -40 ... +60°C, Operating Humid. for housing: 0 ... 95%RH (Non-condensing), Operating Temp. for probe: -40 ... +60°C, Storage temperature: -25 ... +60°C
Installation:	1/2″PT, 1/2″G
Protection:	IP rating: IP65 (Probe: IP20), Electrical protection: Reverse polarity, Over-voltage, Short-circuit

Humidity And Temperature Meter

Industrial Grade High Temperature Multifunctional Dew Point Transmitter THM06

Brand/Model:	eYc-Tech / THM86/87
Signal type:	Capacitive humidity sensor & Pt100
Temperature range:	-40°C ... +180°C (Customized up to 200°C - Optional)
Humidity range:	0 ... 100%RH (non-condensing)
Output:Signal:	4 ... 20 mA / 0 ... 10 V / RS-485, Signal connection: 3-wire
Accuracy: Temperature:	±0.15°C+0.002°C x tactual, Humidity (0 ... 90%): Nonlinear error :±1.2%RH, Hysteresis error : ±0.8%RH, Repeatability error : ±0.4%RH, Humidity (90 ... 100%): ±2%RH
Reaction time t90 (at +25°C):	20 sec (S.S. metal grid filter with mesh), 30 sec (Sintered filter)
Load resistance:	Current output : ≤ 500 Ω, Voltage output : ≥ 100 KΩ
Electrical:	Power supply: DC 24 V±10%, Current consumption: DC 24 V : 60 mA, Electrical connections: M12 connector
Environmental:	Medium: Air, or medium compatible with stainless steel, Temp. Operating: -20 ... +60°C (Body) -40 ... +180°C (Probe), Humid. Operating: 0 ... 90%RH (Body, non-condensing), Probe pressure: 16 bar, Storage temperature: -20 ... +60°C
Installation:	1/2" PT movable thread
Protection:	IP rating: IP67, Electrical protection: Reverse polarity, Over-voltage, Short-circuit

Industrial Grade Multifunction Dew Point Transmitter THM86/87

Brand/Model:	eYc-Tech / THM86/87
Type:	THM86 Channel Type, THM87 Split (Remote) type 2 Meter Cable
Input Sensor:	Capacitive Humidity Sensor & Pt100
Measuring Range:	Temperature: -50 ... 80°C; Dew point: -50 ... 60 dp°C; Freezing point: -45 ... 0 fp°C
Accuracy (at 25°C):	Temperature: ±0.15°C ±0.002°C x tactile; Dew point: ±3 dp°C ± (0.02% FS/°C); Heat. body effect (at +25°C): 0.02% FS/°C
Output:	0 ... 20mA / 4 ... 20mA / 0 ... 1V / 0 ... 5V / 0 ... 10V
Signal Connection:	3-wire
Load Resistance:	Current output: max. 500Ω, Voltage output: min. 10KΩ
Output Calibration (Zero and Span):	Software
Power Supply:	8...35V / 12...30V
Protection Class:	Housing: IP65, Probe: IP20
Additional Option:	ILAC / TAF Test report - Standard Calibration Laboratory (TAF Accreditation: 3032)

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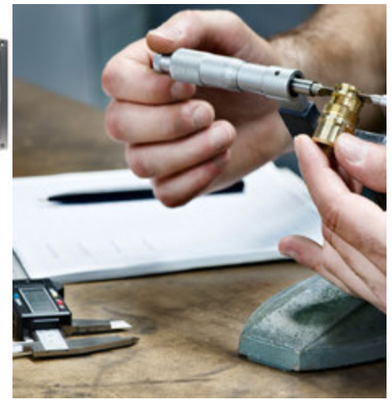


Analytical & Control Measurement

Dimens 6800P Ph ORP Temperature Controller

Brand/Model:	Dimens / 6800P PH/ORP
Measurement Parameters:	pH: -2.00 - 16.00, ORP: -2000 - 2000 mV, Temperature: 0 - 130°C
Optional Temperature Probe:	Pt-1000 / NTC-10K
Analog Outputs:	2 isolated 4-20 mA current outputs (for pH/ORP, for Temperature)
Relays:	3 pieces (2 for Alarm, 1 for Washing
Interface: RS 485 Modbus	RS 485 Modbus RTU
Power Supply:	90 - 260V AC, optional 24VDC
Protection Class:	IP65

Dimens 6501P PH/Redox Controller

Brand/Model:	Dimens / 6501P PH/Redox
Measurement Parameters:	pH: -2.00 - 16.00, ORP: -2000 - 2000 mV, Temperature: -10 - 120°C
Temperature Probe:	Pt-1000
Outputs:	4-20 mA isolated current output (for pH/ORP)
Relay Outputs:	ON/OFF, High/Low action selectable
Power Supply:	90 - 260V AC, optional 24VDC
Working Temperature:	0 - 60°C
Storage Temperature:	-20 - 70°C
Protection Class:	IP65
Interface:	RS 485 Modbus RTU

Dimens 125T Ph ORP Temperature Sensor

pH Range:	0…14
Temperature Range:	-5…100°C
Max. Working Pressure:	6 bar
Shaft Material:	Glass
Electrolyte:	Polymer
Reference System:	Ag/AgCl cartridge
Diaphragm:	2 pores
Resistance:	300 MΩ at 25°C
Diameter:	12mm
Length:	120mm
Membrane:	S-Glass
Temperature Sensor:	PT1000
Minimum Immersion: x	PT1000
Zero Point:	0 +/- 20 mV
Sensitivity:	57…59 mV / pH at 25°C
Conductivity:	150 S/cm
Reaction Time (pH 4..7):	< 30 sec
Connection:	PG13.5
Cable:	5m

Dimens 130T Ph Redox Sensor

pH Range:	0…14
Temperature Range:	-5…130°C
Max. Working Pressure:	6 bar
Shaft Material:	Glass
Electrolyte:	Polymer
Reference System:	Ag/AgCl cartridge
Diaphragm:	2 pores
Resistance:	300 MΩ at 25°C
Diameter:	12mm
Length:	120mm
Membrane:	S-Glass
Temperature Sensor:	PT1000
Minimum Immersion:	20 mm
Zero Point:	0 +/- 20 mV
Sensitivity:	57…59 mV / pH at 25°C
Minimum Conductivity of the Sample:	150 S/cm
Reaction Time (pH 4..7):	< 30 sec
Connection:	PG13.5
Cable:	5m

Dimens 6800C Conductivity / Resistivity / TDS Measurement

Brand/Model:	Dimens 6800C Controller
Application:	Process Water, Drinking Water, Cooling Water, Wastewater Treatment
Measurement Parameters	Conductivity, Resistivity, TDS
Input:	Dimens 710 sensor
Outputs:	RS 485 Modbus RTU
Power Supply:	90-260V AC, 50/60Hz; 24VDC (Optional)
Operating Temperature:	0 - 60°C
Protection Class:	IP65
Additional Features:	Large LCD Display, 4-20 mA isolated current output (Cl2/ClO2/O3 and Temperature), 2 Alarms Relay, Wash Relay

Dimens 6501C Online Conductivity/RES/TDS device

Brand/Model:	Dimens / 6501C Conductivity Control Device
Measurement Parameters:	Conductivity, Resistance, TDS, Temperature
Temperature Probe Compatibility:	Compatible with Dimens 320/330 electrode
Outputs:	4-20mA analog output, RS485 Modbus RTU communication
Relay Outputs:	2 independent Hi/Lo alarm relays
Power Supply:	90-260VAC wide voltage range
Operating Temperature:	0 - 60°C
Protection Class:	IP65
Interface:	LCD screen, user-friendly English menu, rear view illuminated

Dimens 320-001 Conductivity Sensor

Measuring range:	0-200,0 S/cm ; 10 S/cm~200mS/cm
Temperature probe:	PT1000
Working temperature:	0-100°C
Maximum pressure:	6bar
Installation:	Pipe installation / Flow-through installation
Threaded connection:	3/4 "NPT
Cable length:	5m as standard

Dimens 6800D Online Solved Oxygen Analyzer

Brand/Model:	Dimens 6800 D Fluorescence Method Dissolved Oxygen Analyzer
Measurement Parameters	0 - 20.00ppm / 0 - 200%, 0 - 60°C
Outputs:	4-20mA isolated current output (Dissolved Oxygen and Temperature), 2 Hi/Lo alarm relay
Power Supply:	90 - 260V AC, 50/60Hz; 24VDC (Optional)
Operating Temperature:	0 - 60°C
Protection Class:	IP65
Interface:	RS 485 Modbus RTU, LCD Display
Sensor Information:	Installation: Wall Mount, Connection: 3/4"BSP, Cable: 10m, Max. Pressure: 4 bar, Protection class IP68

Dimens 420 Dissolved Oxygen Meter

Type:	Dissolved oxygen electrode with polarographic method
Material:	Stainless steel, PEEK (Polyether ether ketone), silicone, NBR (Nitrile butadiene rubber)
Measuring Range:	0 ~ 20 ppm
Operating Temperature:	0 ~ 60°C
Pressure:	0 ~ 4 bar
Flux Velocity:	Minimum 0.03 m/s
Cable Length:	5 meters
Protection Class:	IP68
PA-110 Electrode Cover:	CPVC material, 3/4" NPT thread

Dimens 425 Dissolved Oxygen Sensor

Dissolved Oxygen Range:	0-20 mg/L (ppm), 0-200%, 0-200 g/L (ppb)
Electrode Rating:	ppb rating
Response Time (Up to 95%):	60 seconds (at 25°C)
Material:	316L stainless steel, silver tube, gold wire
Temperature Compensation:	Individual temperature compensation
Polarization Time:	At least 12 hours recommended
Operating Temperature:	0-60°C
Cable Length:	5 meters as standard
Installation:	Matching stainless steel flow cell installation

Dimens 450 Electrode Fluorometric Dissolved Oxygen Sensor

Type:	Fluorometric DO electrode
Material:	316 stainless steel
Measurement range:	0 ~ 20 ppm
Temperature compensation:	NTC 22K
Operating temperature:	0 ~ 60°C
Pressure:	0 ~ 5 bar
Response time:	< 60 seconds
Flux rate:	Not required
Electrolyte:	Not required
Membrane:	Not required
Cable length:	5m
Weight:	450g
Degree of protection:	IP68

Dimens 6800OZ Online Ozone Analyzer

Brand Model:	Dimens 6800OZ Online Ozone Analyzer
Measurement Parameters	Ozone: 0.005 - 2.000 ppm
Applications:	Drinking/Mineral Water, Disinfection Industry, Process Water
Outputs:	Analog Output 1 (Cl2/ClO2/O3), Analog Output 2 (TEMP.), Relay 1&2 (Alarm), Relay 3 (Wash Relay)
Power Supply:	110-240VAC, 50/60Hz
Operating Temperature:	0~70.0°C
Protection Class:	IP65
Interface:	RS485 Modbus RTU
Sensor Information:	Measurement Range: 0.005-2.000 ppm, Temperature Compensation: Internal, Material: PVC and AISI 316 Ti
Installation:	Wall Mount

Dimens 710 Residual Chlorine/Chlorine Dioxide/Ozone electrode

Measurement Range:	0.000 - 2.000 ppm, 0.00 - 20.00 ppm
Resolution:	0.001 ppm, 0.01 ppm
Accuracy:	±2% F.S.
Operating Temperature:	0 - 60.0°C
Recommended Pressure:	<1 bar
Recommended Flux Rate:	200 - 500 ml/min
Material:	Glass
Cable Length:	3m
Application:	Water detection of residual chlorine, chlorine dioxide, ozone

Dimens 6800T Blur/Suspended Solids Analyzer

Brand Model	Dimens 6800T
Measurement Parameters	Turbidity and Suspended Solids (SS)
Measurement Range	Turbidity: 0.0-4.0 / 40.0 / 400.0 / 1000.0 NTU Suspended Solids (SS): 0.0-10.0 / 100.0 / 1000.0 / 2000.0 mg/L
Resolution	Turbidity: 0.1 NTU Suspended Solids (SS): 0.1 mg/L
Accuracy	±2 f.s
Sensor	Giri Dimens810T Turbidity/Suspended Solids Sensor
Outputs	Analog Output 1 (Suspended Solids): 4-20 mA isolated current output Relay 1&2: Alarm Relay 3: Wash Relay
Interface	RS 485 Modbus RTU, Baud rate: 9600 bps, Data format: 8 bit
Power Supply	90 - 260V AC, 50/60Hz 24VDC (Optional)

Dimens 810T High Range Turbidity/Suspension Sensor

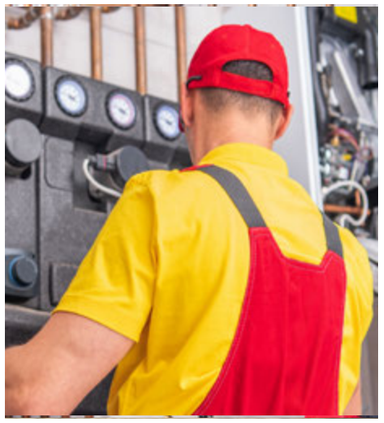
Measurement Principle	90° light scattering technique
Measuring Range	0.0 - 10.0 / 100.0 / 1000.0 / 2000.0 mg/L
Solubility	0.1 mg/L
Accuracy	±2% f.s.
Material	316L/PVC body, special optical glass
Dimensions	Diameter: 42mm Length: 210mm Connection: 1" GAS
Cable	10m as standard
Pressure	4 bar
Operating Temperature	0 - 60°C
Protection Class	IP68

Dimens 850T High Accuracy Turbidity Sensor

Brand / Model	Dimens 850T
Measurement Parameters	Turbidity range: 0.0001-100 NTU
Outputs	4-20mA output (blur)
Power Supply	90-260VAC, 50/60Hz 24VDC (optional)
Operating Temperature	0 - 50°C
Protection Class	IP65
Interface	RS485 Modbus RTU
Sensor Information	Type: 90° diffused light principle, LED light source

RST MEASUREMENT CONTROL TECHNOLOGIES

dimens MEASUREMENT CONTROL TECHNOLOGIES



Industrial Gas Detectors

Diffusion Type Gas Detector DA-100

Detection principle	Catalytic, electro-chemical, NDIR, or PID
Gas sampling	Diffusion type
Target gas	Please refer to the target gas list.
Measurement range	%LEL,PPM,%vol
Response time	Within 20sec, 90%/Full Scale
Accuracy	≤±2%/Full Scale
Sensor displacement	Zero - ≤±1%LEL/6 Month, Span - ≤±1%LEL/6 Month
Calibration	One-touch auto calibration
Input power	DC 20~30V
Output signal	4~20mA/Full Scale - 2.5km transmission
Operating temp. & humidity	-30℃~60℃, 5~95% RH (Non-Condensing)
Signal cable	CVVS & CVVSB 1.5sq x 3 Wire - Shield Type
Conduit tube	1/2"or 3/4"PF, NPT
Installation type	Wall or Pipe Station
Casing material	Cast Aluminum Alloy
Explosion-proof approval	EX d IIC T5 - KGS

Diffusion Type Gas Detector DA-500

Detection principle	NDIR (Nondispersive infrared)
Gas sampling	Diffusion type
Target gas	Combustible gas, Toxic gas
Measurement range	%LEL, PPM, %vol
Response time	Within 30sec, 90%/full scale
Accuracy	≤±2%/Full Scale
Sensor displacement	Zero - ≤±1%LEL/6 Month, Span -≤±1%LEL/6 Month
User programmable	Calibration density, detection range
Input power	DC 20~30V
Output power	4~20mA/Full Scale - 2.5km Transmission
Operating temp.& humidity	-30°C~60°C, 5~95% RH (Non-Condensing)
Signal cable	CVVS & CVVSB 1.5sq x 3 Wire - Shield Type
Wire conduit	1/2" or 3/4" PF, NPT
Installation type	Wall or Pipe Station
Exterior material	Cast Aluminum Alloy
Explosion-proof	Ex d IIC T5 - Korea Gas Safety Corporation
Output	2 step- Relay Contact (High/Low)
Communication output	RS-485 communication output(option)

Diffusion Type Gas Detector DA-600

Detection principle	Catalytic, Electro-Chemical, TCD or NDIR
Gas sampling	Diffusion type
Measurment range	0 ~ 100 %LEL, 0 ~ ppm. 0~100% VOL
Response time	Within 20 seconds, 90%/Full Scale
Accuracy	≤±3%/Full Scale
Sensor displacement	Zero – ≤±2%LEL / 6 months, span -≤±2%LEL / 6 months
Input power	DC24V, 100mA (2.4W)
Output power	4~20mA/Full Scale - 2.5km Transmission
Operating temp.& humidity	-40℃ to 50℃, 5 ~ 95% RH(Non - Condensing)
Signal cable	CVVS & CVVSB 1.5sq x 3 Wire - Shield Type
Wire conduit	3/4" NPT
Installation type	Wall or Pipe Station
Exterior material	Cast Aluminum Alloy

Infrared Gas Detector DA-800

Gas sampling	Suction type
Density display	LCD Display - PPM, %LEL, % vol (set by user)
Input power	DC 20 ~ 30V
Explosion proof	Ex d IIB+H2 T6- Korea Gas Safety Corporation (KGS)
Target gas	Combustible gas, Toxic gas, O2, VOC.
Detection principle	NDIR (Nondispersive infrared)
Suction flow rate	0.2 l/min ~ 2.5 l/min
Suction distance	Within 100m
Measurement range	Please refer to the target gas list (page 16)
Accuracy	≤ ±2%/Full Scale
Response time	Within 10 seconds, 90%/Full Scale
Sensor calibration	AUTO-CALIBRATION with Magnetic Switch
User programming	Calibration density & Measurement range
Wiring	CVVS & CVVSB 1.5sq*3wire
External Output	4mA~20mA / Full scale - 2.5Km Transmission
Alarm output	2 Step (HIGH/LOW) Alarm RELAY CONTACT
Operation Temperature	-20°C~60°C
Operation humidity	5 ~ 95%RH (Non-Condensing)
Wire conduit	1/2" or 3/4" PF,NPT
Housing material	Cast Aluminum Alloy
Mounting	Wall or Pipe Station

Infrared Gas Detector DA-500-R

Target gas	O2
Detection principle	Optical
Measurement range	0~25% VOL
Oxygen Pressure range	0~300 mbar
Response time	Within T90<25 sec
Accuracy	≤±2%
Sensor Life Span	More than 5 years
Operating temp.& humidity	-30°C~60°C 95%RH (NON-CONDENSING)
Input power	DC 24V
Output power	4-20mA
Output	2 step- Relay Contact (ALARM-1/ALARM-2)
Communication output	RS-485 Communication Output (option)
Wire conduit	1/2" or 3/4" PF, NPT
Explosion-proof	Ex d IIC T5 - KGS

Infrared Gas Detector DA-50

Detection principle	NDIR (Nondispersive infrared)
Gas sampling	Diffusion
Target gas	Refer to the list
Measurement range	%LEL, PPM, %vol
Response time	Within 30sec, 90%/Full Scale
Accuracy	≤±2%/Full Scale
Sensor calibration	Calibration with switch
Sensor parallax	Zero - ≤±1%LEL/6 Month, Span -≤±1%LEL/6 Month
User programmable	Calibration density, detection range
Input power	DC 20V~30V (24V DC Normal) / 100mA (Max.)
Output power	4~20mA/Full Scale - 2.5km transmission
Communication	RS-485 - 1.2km transmission
Operating temperature and humidity	-20°C~50°C, 5~90% RH (Non-Condensing)
Signal wire	CVVS & CVVSB 1.5sq x 3 Wire - Shield Type
Alarm release	Manual or Automatic
Mounting	Wall or Pipe Station
Housing	Poly Carbonate
Alarm outpu	2 step - Relay Contact (AL1/AL2)

Vacuum/Suction Type Gas Detectors DA-750

Detection principle	NDIR (Nondispersive infrared)
Gas sampling	Suction Type
Input power	DC 20V~30V (24 V DC Normal) / 250mA (Max.)
Sample gas volume	0.2 l/min ~ 2.5 l/min
Accuracy	≤ ±2%/Full Scale
Output signal	4-20 DC/F.S
Density indication	LCD Display - PPM, %LEL, %vol, or PPb
Alarm	AL1 Alarm - LOW LED(RED) AL2 Alarm - HIGH LED(RED)
Setting of alarm value	AL1/AL2 2 stages Alarm-User can optionally set.
Alarm delay time	0~99seconds with user adjustable
Alarm clearing	Manually or automatically
Alarm output	2 step alarm relay contact (AL1/AL2)
Operating temperature & humidity	-20°C ~ 50°C, 5% ~ 95% RH (Non-condensing)
How to install	Wall Mounting Type
Signal cable	CVVS & CVVSB 1.5sp*3 Wire-Shield Type
Gas inhaling	6Ø Tube"
Output option	RS-485

Vacuum/Suction Type Gas Detector DA-800-CO

Gas sampling	Suction type
Density display	LCD Display - PPM, %LEL, % vol (set by user)
Input power	DC 20 ~ 30V
Explosion proof	Ex d IIB+H2 T6- Korea Gas Safety Corporation (KGS)
Target gas	Combustible gas, Toxic gas, O2, VOC.
Detection principle	NDIR (Nondispersive infrared)
Suction flow rate	0.2 l/min ~ 2.5 l/min
Suction distance	Within 100m
Measurement range	Please refer to the target gas list (page 16)
Accuracy	≤ ±2%/Full Scale
Response time	Within 10 seconds, 90%/Full Scale
Sensor calibration	AUTO-CALIBRATION with Magnetic Switch
User programming	Calibration density & Measurement range
Wiring	CVVS & CVVSB 1.5sq*3wire
External Output	4mA~20mA / Full scale - 2.5Km Transmission
Alarm output	2 Step (HIGH/LOW) Alarm RELAY CONTACT
Operation Temperature	-20°C~60°C
Operation humidity	5 ~ 95%RH (Non-Condensing)
Wire conduit	1/2" or 3/4" PF,NPT
Housing material	Cast Aluminum Alloy
Mounting	Wall or Pipe Station

Teracom Control Solutions

Temperature and humidity data logger TCW210-TH

Brand / Model	Teracom/TCW210-TH
Analog Input	Supported Sensors: Temperature, Humidity
Interface	1-Wire, RS-485 (MODBUS RTU)
Supply Voltage	10 to 28 VDC. It consumes 170 mA current at 12 VDC.
Communication	Ethernet connection (10/100 Mb)
Data Logger	70000 records
Supported Protocols	SNMP, MODBUS/TCP, HTTP/API for M2M applications
Operating Temperature	-20 to 55°C
Sensor	Up to 8 temperature and humidity sensors, 1-wire and MODBUS RTU sensors supported

IP Watchdog module TCW122B-WD

Brand / Model	Teracom/TCW122B-WD
Analog Input	2 (range 0 to 60 VDC)
Digital Input	2 (Dry contact or Logic level modes)
Relay Outputs	Relay with 2 NO/NC contacts
Interface	HTTP, XML API commands
Communication	SNMP v.1, HTTP, SNMP port change
Internal Flash Memory	Yes
Supported Protocols	SNMP v.1, SNMP trap alerts, VLAN, MAC address filtering, ICMP observer monitoring, Remote firmware update

Remote relay control module TCW122B-RR

Brand / Model	Teracom/TCW122B-RR
Digital Input	2 digital inputs, "Logic level" and dry contact modes
Digital Output	2 relays, NO and NC contacts
Supply Voltage	10 - 14 VDC
Communication	Ethernet connection
Relay Outputs	Form C (NO and NC contacts)
Operating Temperature	-20 to 55°C
Internal Flash Memory	Endurance: 100,000 cycles

Ethernet digital IO module TCW181B-CM

Brand / Model	Teracom/TCW181B-CM
Digital Input	1 Digital input
Digital Output	Relay with 8 NO/NC contacts
Supply Voltage	12±2 VDC
Communication	Communication via Ethernet
Interface	HTTP, XML API commands
Internal Flash Memory	Yes
Operating Temperature	-20 to +55°C
Supported Protocols	SNMP v.1, HTTP, SNMP Traps messages, Email messages, Authorized SMTP, Remote firmware update

Remote IO module TCW122B-CM

Brand / Model	Teracom/TCW122-CM
Analog Input	2, range from 0 to 60 VDC.
Digital Input	2, with "dry contact" or "logic level" modes.
Digital Output	2 relays with NO and NC contacts.
Interface	HTTP, XML API commands
Supply Voltage	12±2 VDC
Communication	SNMP v.1, HTTP, SNMP port change
Operating Temperature	-20 to 55°C
Supported Protocols	SNMP v.1, SNMP trap alerts, SMTP, HTTP, and SNMP with authentication
Internal Flash Memory	Yes

Industrial IoT module TCW242

Brand / Model	Teracom/TCW242
Analog Input	Volt: 0 - 10V, Current: 0 - 20mA
Digital Input	4 relays, NO/NC
Digital Output	4 relays, NO/NC
Supply Voltage	10 - 28 VDC
Communication	RS 485 Modbus RTU
Interface	Modbus TCP/IP
Supported Protocols	NTP / HTTP API, MQTT

GSM-GPRS remote IO module TCG140

Analog Input	4 (0 to 10 VDC or 0 to 20 mA)
Digital Input	2, dry contact
Digital Output	4 relays with NO and NC contacts
Relay Outputs	Type: Form C (NO. and NC. contacts)
Communication	GSM/GPRS
Interface	USB, SMS, HTTP API
Internal Flash Memory	Endurance: 100,000 cycles
Supported Protocols	MODBUS RTU, SNMP, HTTP API

GSM-GPRS Remote monitoring controller TCG120

Brand / Model	Teracom/TGG120
Analog Input	2 analog inputs (0 to 60 VDC)
Digital Input	2 digital inputs (dry contact and logic level)
Digital Output	2 relays with NO and NC contacts
Relay Outputs	Type: Form C (NO and NC contacts)
Communication	Quad-band connection (GSM/GPRS)
Interface	Installation via USB, SMS and HTTP API
Internal Flash Memory	Endurance: 100,000 cycles
Supported Protocols	TLS 1.2 support, 1-Wire interface

Remote IO module TCW122B-CM

Brand / Model	Teracom/TCW122-CM
Analog Input	2, range from 0 to 60 VDC.
Digital Input	2, with "dry contact" or "logic level" modes.
Digital Output	2 relays with NO and NC contacts.
Interface	HTTP, XML API commands
Supply Voltage	12±2 VDC
Communication	SNMP v.1, HTTP, SNMP port change
Operating Temperature	-20 to 55°C
Supported Protocols	SNMP v.1, SNMP trap alerts, SMTP, HTTP, and SNMP with authentication
Internal Flash Memory	Yes

Industrial IoT module TCW242

Brand / Model	Teracom/TCW242
Analog Input	Volt: 0 - 10V, Current: 0 - 20mA
Digital Input	4 relays, NO/NC
Digital Output	4 relays, NO/NC
Supply Voltage	10 - 28 VDC
Communication	RS 485 Modbus RTU
Interface	Modbus TCP/IP
Supported Protocols	NTP / HTTP API, MQTT

GSM-GPRS remote IO module TCG140

Analog Input	4 (0 to 10 VDC or 0 to 20 mA)
Digital Input	2, dry contact
Digital Output	4 relays with NO and NC contacts
Relay Outputs	Type: Form C (NO. and NC. contacts)
Communication	GSM/GPRS
Interface	USB, SMS, HTTP API
Internal Flash Memory	Endurance: 100,000 cycles
Supported Protocols	MODBUS RTU, SNMP, HTTP API

GSM-GPRS Remote monitoring controller TCG120

Brand / Model	Teracom/TGG120
Analog Input	2 analog inputs (0 to 60 VDC)
Digital Input	2 digital inputs (dry contact and logic level)
Digital Output	2 relays with NO and NC contacts
Relay Outputs	Type: Form C (NO and NC contacts)
Communication	Quad-band connection (GSM/GPRS)
Interface	Installation via USB, SMS and HTTP API
Internal Flash Memory	Endurance: 100,000 cycles
Supported Protocols	TLS 1.2 support, 1-Wire interface

4G LTE universal IO module TCG140-4

Brand / Model	Teracom/TGG140-4
Analog Input	4 analog inputs (0 to 10VDC, 0 to 20mA)
Digital Input	2 digital "dry contact" inputs
Digital Output	4 relays with NO and NC contacts
Relay Outputs	Type: Form C (NO. and NC. contacts)
Communication	Quad-band connection (GSM/GPRS, 4G LTE Cat.1, 3G, 2G)
Interface	Setup via USB, SMS and HTTP API
Built-in Flash Memory	Data logger with up to 70000 records
Supported Protocols	MQTT 3.1.1, MODBUS RTU, TLS 1.2, 1-Wire interface

4G LTE wireless I/O module TCG120-4

Brand / Model	Teracom/TGG120-4
Analog Input	2 analog inputs (0 to 60 VDC)
Digital Input	2 digital inputs (dry contact and logic level)
Digital Output	2 relays with NO and NC contacts
Relay Outputs	Type: Form C (NO. and NC. contacts)
Communication	Quad-band connection (GSM/GPRS, 4G LTE Cat.1, 2G)
Interface	Setup via USB, SMS and HTTP API
Internal Flash Memory	Durability: 100,000 cycles
Supported Protocols	MQTT 3.1.1, TLS 1.2, 1-Wire interface

1-Wire Temperature Sensor TST100 - TSH202

Brand / Model	Teracom/TST100
Operating Range	-40 to 85 °C
Accuracy (max)	±0.5 °C: max accuracy from -10 to 85°C ±2.0 °C: max accuracy from -40 to 85°C
Resolution	0.0625 °C, 12 bit resolution setup
Supply Voltage	3 to 5.5 VDC, Suitable for various power supplies
Ingress Protection	IP65, Dust and water resistant
Head Dimensions	8 x 8 x 23 mm, Compact and useful dimensions
Cable	1 meter long, twisted stranded silicone cable

Brand / Model	Teracom/TSH202
Operating Range	%RH: 10 to 90* (non-condensing), °C: -20 to +60*
Tolerance	%RH: ±3.0 (20 to 80 %RH), ±0.4 °C (-10 to +60°C) Maximum %RH: ±5.0 (10 to 90 %RH), ±1.0 °C (-20 to +60°C)
Long Term Drift Solubility	%RH/year: ±0.25** (20 to 80%RH), °C/year: ±0.05** (-10 to +60°C)
Power Supply/Consumption	4.0 to 5.5 VDC, 5 mA
Ingress Protection	IP00
Communication	1-Wired
Cable Length	1 meter

Digital Temperature Sensor TST103 - TSH206

Brand/Model:	Teracom/TST103
Operating Range:	-40 to 85°C
Accuracy (max):	±0.5°C (-10 to +85°C), ±2°C (-40 to +85°C)
Resolution:	0.1°C
Supply Voltage:	3 to 5.5 VDC (from 1-Wire interface)
Maximum Consumption:	2 mA (from 1-Wire interface)
Ingress Protection:	IP20
Connectors:	Two RJ-11 in parallel

Brand/Model:	Teracom/TSH206
Operating Range:	Temperature: -20 to +60°C, Humidity: 10 to 90%RH
Accuracy (max):	Temperature: ±0.4°C (-10 to +60°C), Humidity: ±3.0%RH (20 to 80%RH)
Resolution:	Temperature: 0.1°C, Humidity: 0.1%RH
Supply Voltage/Consumption:	4.0 - 5.5 VDC (1-wire bus), 5 mA
Ingress Protection:	IP20
Connectors:	Two RJ-11 (In parallel)

2-channel thermocouple module TST320

Brand / Model	Teracom/TST 320 - 2
Power Supply	5 to 30VDC, 15mA@12V
ADC	24 bit with DSP processing
RS-485 Interface	Support up to 63 nodes, LED indicator
Thermocouple Compatibility	Available
Termination Resistor	Integrated 120 ohm termination resistor
Industrial Use	Suitable for industrial temperature monitoring and control
HVAC Systems	Ideal for HVAC system control
Fast Response Time	Fast response time with powerful DSP
Software Update	Possibility of software update via interface
Operating Temperature	Range: -20 to 60°C
Relative Humidity Range	10% to 90% (non-condensing)
Supported Thermocouples	J, K, T, N, E, B, R and S

S0 Pulse counter with MODBUS RTU interface

Brand / Model	Teracom/TDI340
Interface	MODBUS RTU
Digital Inputs	4 isolated digital inputs allocated to the S0 pulse counter
Operating Modes	Polling or edge modes; Counting while rising, falling and on both sides
Memory	Non-volatile memory for storing meters
Supply Voltage	Wide supply voltage range, connecting from 5VDC
Inputs	Galvanically isolated inputs
Counters	32-bit counters
Supported Devices	Electricity, water, and gas meters; Devices with S0 output
Maximum Current	25mA@5VDC
Operating Temperature Range	-20 to +60°C
Operating Relative Humidity Range	10 to 90 (non-condensing)
Ingress Protection	IP40

CO2, humidity, and temperature multi-sensor TSM400-4-CPTH

Brand / Model	Teracom/TSM400-4-CPTH
Interface	RS-485, MODBUS RTU protocol
Digital Inputs	CO2 concentration, temperature, humidity, barometric pressure
Operating Modes	Automatic calibration, low to high or high to high with independent delays for transitions to low
Memory	Permanent memory
Supply Voltage	4.5 to 26VDC
Inputs	Galvanically isolated
Counters	32 bit
Supported Devices	Offices, server rooms, industrial systems, building management systems (BMS)
Maximum Current	25 mA@5VDC (Peak: 150 mA@5VDC)
Operating Temperature Range	-20 to 60°C
Operating Relative Humidity Range	10% - 90% (non-condensing)
Ingress Protection	IP20

MODBUS CO2 and pressure sensor TSM400-4-CP

Brand / Model	Teracom/TSM400-4-CP
Interface	RS-485, MODBUS RTU protocol
Digital Inputs	None
Working Modes	CO2 measurement, barometric pressure measurement
Memory	YCoOk2 measurement, barometric pressure measurement
Supply Voltage	4.5 to 26VDC
Inputs	CO2 concentration, barometric pressure
Counters	None
Supported Devices	Indoor air quality (IAQ) monitoring, CO2 storage facilities leak control, smart ventilation systems, restaurants and breweries, CO2 level monitoring in factories
Maximum Current	25 mA@5VDC (Peak: 150 mA@5VDC)
Operating Temperature Range	-20 to 60°C
Operating Relative Humidity Range	5% - 95% (non-condensing)
Ingress Protection	IP20

1 Wire Temperature and Humidity Sensor TSM400-1-TH

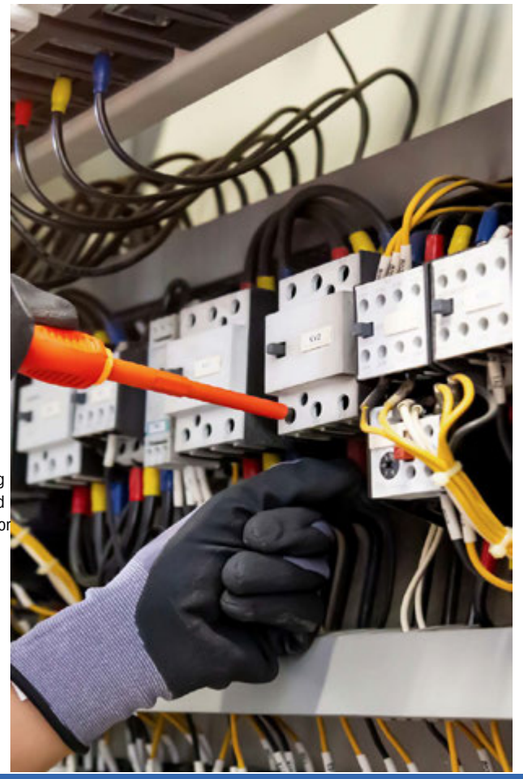
Brand / Model	Teracom/TSM400-1-TH
Interface	1-Wire
Digital Inputs	No
Operating Modes	Temperature and humidity measurement
Memory	No
Supply Voltage	4.5 to 26VDC
Inputs	Temperature, relative humidity
Counters	None
Supported Devices	Monitoring and evaluation of environmental quality for offices, humidity and temperature monitoring in building management systems, smart ventilation systems
Maximum	Current 10 mA@5VDC
Operating	Temperature Range -20 to 60°C
Operating Humidity Range	10% - 90% (non-condensing)
Ingress Protection	IP20
Warranty Period:	3 years

Waterproof Temperature and Humidity Sensor

Brand Model	Teracom/TSH230
Interface	1-Wired
Digital Inputs	No
Operating Modes	Temperature and humidity measurement
Memory	No
Supply Voltage	4.5 to 26 VDC
Inputs	Temperature, relative humidity
Counters	None
Supported Devices temperature monitoring for vineyards	Fleet management systems, environmental quality monitoring and evaluation, humidity and temperature monitoring in building management systems, mobile operator facilities, humidity and temperature records, greenhouses, etc.
Maximum Current	5 mA@5VDC
Operating Temperature Range	-20 to 60°C
Operating Humidity Range	10% - 90% (non-condensing)
Ingress Protection	IP54
Warranty Period:	3 years

IP54 Temperature and Humidity Sensor TSH330

Brand / Model	Teracom/TSH330
Interface	RS-485
Digital Inputs	None
Operating Modes	Temperature and humidity measurement
Memory	None
Supply Voltage	4.5 to 26VDC
Inputs	Temperature, relative humidity
Counters	None
Supported Devices	Fleet management systems, environmental quality monitoring and evaluation, vineyards, greenhouses, etc. for humidity and temperature recording, humidity and temperature recording for telecommunication facilities, humidity and temperature monitoring in server rooms and data centers
Maximum Current	5mA@5VDC
Operating Temperature Range	-20 to 60°C
Operating Humidity Range	10% - 90% (non-condensing)
Ingress Protection	IP54



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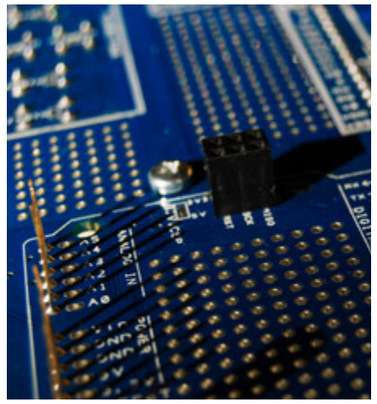


Signal Isolators & Signal Converters

Thermocouple Temperature Transmitter. DAT1015

Input	Thermocouples: Type J, K, S, R, B, E, T, and N
	RTD: Pt100, Pt1000, Ni100, Ni1000
	mV, Potentiometer, Resistance
	Refer to Data sheet for range
Output	4-20mA
Power Supply	10 to 32 Vdc
Temperature Rating	Operative: -4°F to +158°F (-20°C to +70°C)
	Storage Temperature: -40°F to +185°F (-40°C to +85°C)
Humidity	(non-condensing) 0-90%
Housing	Material: Self-extinguishing
Dimensions	Diameter: 1 3/4" (42mm)
	Height: 15/16" (24mm)
Weight	3 oz (90g)
EMC	For industrial environments
	Immunity: EN 61000-6-2
	Emission: EN 61000-6-4
Configuration	PC Configurable

Head Mounted Temperature Converter DAT1135

Input	Thermocouple Type J, K, S, R, B, E, T, and N
	RTD: Pt100, Pt1000, Ni100, Ni1000
	mV, Potentiometer, Resistance
	See Data sheet for range
Output	0-10V min Span1 V
Power Supply	10 to 32 Vdc
Temperature Rating	Operative: -4°F to +158°F (-20°C to +70°C)
	Storage Temperature: -40°F to +185°F (-40°C to +85°C)
Humidity	(non-condensing) 0-90%
Housing	Material: Self-extinguishing
Dimensions	Diameter: 1 3/4"
	Height: 15/16"
	(42mm X 24mm)
Weight	3 oz (90g)
EMC	For industrial environments
	Immunity: EN 61000-6-2
	Emission: EN 61000-6-4
Configuration	PC Configurable

Intrinsically Safe Thermocouple Transmitter. Obsolete Product. DAT1015IS

Protection Mode	II 1 G Ex ia IIC certified with Directive 94/9/CE ATEX
Zone	Zone 0
Input	Thermocouples Type J, K, S, R, B, E, T, and N
	RTD: Pt100, Pt1000, Ni100, Ni1000
	mV, Potentiometer, Resistance
	See Data sheet for range
Output	4-20mA
Power Supply	10 to 32 Vdc
Temperature Rating	Operative: -4°F to +158°F (-20°C to +70°C)
	Storage Temperature: -40°F to +185°F (-40°C to +85°C)
Humidity	(non-condensing) 0-90%
Housing	Material: Self-extinguishing
Dimensions	Diameter: 1 3/4"
	Height: 15/16"
	(42mm X 24mm)
Weight	3 oz (90g)
EMC	For industrial environments
	Immunity: EN 61000-6-2
	Emission: EN 61000-6-4
Configuration	PC Configurable

RTD Modbus Temperature Transmitter. DAT1485

Container Type	DIN B In Head Mounting
Isolation	Yes
Communication	Modbus ASCII RS485, Modbus RTU RS485
Configuration Software	MODBUS 3000-10000
Features	Isolated Converter With RTD, TC, MV, Resistance, And Potentiometer Input
N° Analog Inputs	1
Analog Input Type	MV, Potentiometer, Resistance, RTD (PT100, PT1K, NI100, NI1K), Thermocouple

Oem Temperature Transmitter Dat1010-oem

Brand/Model	Datexel/ DAT1010 OEM
Input	RTD: Pt100, Pt1000, Ni100, Ni1000
	mV, Potentiometer, Resistance
	See Datasheet for range
Output	4-20mA
Power Supply	10 to 32 Vdc
Temperature Rating	Operative: -4°F to +158°F (-20°C to +70°C)
	Storage Temperature: -40°F to +185°F (-40°C to +85°C)
Humidity	(non-condensing) 0-90%
Housing	Material: Self-extinguishing
Dimensions	Length: 1 1/2"
	Width: 12"
	(41 mm X 15mm)
Weight	3 oz (90 g)
EMC	For industrial environments
	Immunity: EN 61000-6-2
	Emission: EN 61000-6-4
Configuration	PC Configurable

Rail Type RTD/Pt100 Temperature Transducer. DAT 2165/2166

Brand/Model	Datexel/DAT2165, DAT2166
Input	DAT2165: 1xRTD Pt100 (See Datasheet for Range)
	DAT2166: 2xRTD Pt100 (See Datasheet for Range)
Output	DAT2165: 1 x 4-20mA, 0-20mA, 0-10V
	DAT2166: 2 x 4-20mA, 0-10V, 2-10V
Operating Temperature	-4°F to +158°F (-20°C to +70°C)
Storage Temperature	-40°F to +185°F (-40°C to +85°C)
Humidity	Non-condensing, 0-90%
EMC	Immunity for industrial environments: EN 61000-6-2
Configuration	DIP Switch Configurable

Din Rail Thermocouple Converter DAT2145

Brand/Model	Datexel / DAT 2145
Introduction	Thermocouple J, K, S, B, E, T, and N Type
Output	Current: 4-20mA
	Volts: 0-10V
Power Supply	Power Supply Voltage: 10-30Vdc
	Reverse Polarity Protection: 60Vdc
Current Consumption	40 mA
Configuration	DIP Switch Programmable
Temperature	Operating Temperature: -4°F to +158°F (-20°C to +70°C)
	Storage Temperature: -40°F to +185°F (-40°C to +85°C)
Humidity	(Non-condensing) 0-90%

Universal Input Signal Converter DAT4135

Brand/Model	Datexel/ DAT4135
Input	K Type Thermocouple, J Type Thermocouple, R Type Thermocouple, S Type Thermocouple, T Type Thermocouple, Potentiometer, Resistance, RTD, mV, V, mA. See Data sheet for range.
Output	4-20mA, 0-20mA, 0-10V
Power Supply	18 to 30 Vdc
Temperature rating	Operative: -4°F to +158°F (-20°C to +70°C)
	Storage Temperature: -40°F to +185°F (-40°C to +85°C)
Humidity	(non-condensing) 0-90%
Housing	Material self-extinguishing
Dimensions	3 1/2" x 4 1/2 " x 1/2", 90 x 112x x 12.5 mm.
Weight	3 oz, 90 g
EMC	For industrial environments. Immunity: EN 61000-6-2. Emission: EN 61000-6-4.
Configuration	PC

Signal Converter DAT 4531 A/B/C/D

Brand/Model	Datexel/ DAT4531 A,B,C,D
4531 A	Input K , J , R , S , T Type Thermocouple. Potentiometer, See Datasheet for Resistance, mV, Range
4531 B	Input RTD's Pt100, Pt1000, Ni100, Ni1000. Resistance 0-2000 Ohm
4531 C	Input Thermistor positive temperature coefficient KTY81-210, KTY81- 220, KTY84-130, KTY84-150. negative temperature coefficient Coster 10K and Coster 1K. Potentiometer 0-50K ohm
4531 D	Input Current 4-20mA, Range 0-20mA Minimum range 1 mA. Voltage Range 0 to 10 V Minimum range 1 V.
Output	4-20mA, 0-20mA, 0-10V.
Power Supply	18 to 30 Vdc. Reverse polarity protection 60 Vdc.
Current Consumption	Current output 35 mA max. Voltage output 25 mA max.
Temperature operating	-4°F +158°F -20°C +70°C
Temperature Storage	-40°F +185°F -40°C +85°C.
Humidity	(non-condensing) 0-90%.
Housing Material	is self-extinguishing.
Dimensions	3 1/2" x 4 1/2" x 1/2", 90 x 112x x 12.5mm.
Configuration	Configurable via PC and DIP Switch

3 way isolated signal converter. DAT5021

Brand/Model	Datexel DAT5021
Input	Voltage (0-10V, 0-5V, 2-10V, 1-5V), Current (4-20mA, 0-20mA)
Output	Voltage (0-10V, 0-5V, 2-10V, 1-5V), Current (4-20mA, 0-20mA)
Power Supply	20 to 32 Vdc, Reverse polarity protection up to 60 Vdc
Current Consumption	Current output: 35 mA max, Voltage output: 25 mA max
Operating Temperature	-4°F to +158°F (-20°C to +70°C)
Storage Temperature	-40°F to +185°F (-40°C to +85°C)
Humidity	Non-condensing, 0-90%
EMC	Immunity for industrial environments: EN 61000-6-2, Emission: EN 61000-6-4
Configuration	Configurable via PC and DIP Switch

Two Channel Signal Isolator DAT5022

Brand/Model	Datexel / DAT5022
Container Type	Din Rail
Isolation	Yes
Configuration	Potentiometers And Dip Switch
Features	Isolated Signal Splitter For Ma (Active And Passive Loop) And Volt
N° Analog Inputs	1
Analog Input Type	0-10v, 0(4)-20 Ma, 2-10v, 0-5v, 1-5v
N° Analog Outputs	2
Analog Output Type	0-10v, 0-5v, 1-5v, 0(4)-20ma, 2-10v

Signal Isolator DAT511

Brand/Model	Datexel / DAT511
Input	0-20 mA or 4-20mA
Output	0-20 mA or 4-20mA
Temperature Rating	Operative: -4°F to +140°F (-20°C to +60°C) Storage: -40°F to +185°F (-40°C to +85°C)
Humidity	Non-condensing, 0-90%
Housing	Material: self-extinguishing
Dimensions	Width: 7/8", Length: 4", Height: 3 1/4" (22.5 mm x 100 mm x 80.5 mm)
Weight	3 oz (100 g)
EMC	For industrial environments: Immunity - EN 61000-6-2 Emission - EN 61000-6-4

Dual Loop Powered Isolator. DAT512

Brand/Model	Datexel DAT512
Input	0-20 mA or 4-20mA
Output	0-20 mA or 4-20mA
Temperature Rating	Operative: -4°F to +140°F (-20°C to +60°C) Storage: -40°F to +170°F (-40°C to +85°C)
Humidity	Non-condensing, 0-90%
Housing	Material: self-extinguishing
Dimensions	Width: 7/8", Length: 4", Height: 3 1/4" (22.5 mm x 100 mm x 80.564 mm)
Weight	4 oz (110 g)
EMC	For industrial environments: Immunity - EN 61000-6-2 Emission - EN 61000-6-4

I/O Server Modules DAT10014 / DAT10019

Brand / Model	Datexel DAT10014 / DAT10019
Output Signal	Modbus RTU or Modbus ASCII
Supported Inputs	DAT10019: 2-Wire RTD, Resistor DAT10014: RTD, Resistor, Potentiometer
Power Supply	Input 10-30Vdc
Reverse Polarity	60Vdc
Storage Temperature	-40°F to +185°F (-40°C to +85°C)
Instantaneous	DAT10019: 35 - 45 mA, DAT10014: 30 - 45 mA
PC Programmability	Both are PC programmable.

I/O Server Modules DAT10017-I / DAT10017

Brand / Model	DAT10017-I: / DAT10017-V:
Output Signal	Modbus RTU or Modbus ASCII 485
Supported Inputs	DAT10017V / 8 x 0-10 Vdc and -10 to +10 Vdc voltage inputs
Power Supply	Input 10-30 Vdc
Reverse Polarity Protection	60Vdc
Storage Temperature	-40°F to +185°F (-40°C to +85°C)
Instantaneous Consumptio	DAT10017 I / 35 to 45 mA
	DAT10017 V / 60 to 115 mA
PC Programmability	DAT10017 can be programmed via I/DIP Switch or PC
Programmable	via DAT10017 V/PC

I/O Server Modules DAT10018 / DAT10015

Brand / Model	Datexel DAT10015 / DAT10018
Output Signal	Modbus RS485
Supported Inputs	DAT10015 - Current: 4-20 mA, 0-20 mA, -20 - +20 mA
	DAT 10018 - 8 channels with a Thermocouple and mV input (-50 mV to +250 mV range, K, J, R, S, B, E, T and N type thermocouples)
Voltage:	0-10 Vdc, -10 to 10 Vdc, 0-1 Vdc
Power Supply	Input DAT10015-14-30Vdc \ DAT10018-10-30Vdc
Reverse Polarity Protection	60Vdc
Storage Temperature	-40°F to +185°F (-40°C to +85°C)
Instantaneous Consumption	30 to 45 mA
PC Programmability	DIP Switches are PC programmable.

I/O Server Modules RTU, DAT3017-I/V

Module Types:	DAT3017I (Modbus RS232, RTU) DAT3017I (Modbus RS485)
Output Signal:	DAT3017I (Modbus RS232, RTU): Modbus RS232, RTU DAT3017I (Modbus RS485): Modbus RS485
Supported Inputs:	DAT3017I (Modbus RS232, RTU): Current -20 to 20mA, 0-20mA, 4-20mA DAT3017V- Voltage - 10 to +10 Vdc, 0-10 Vdc, 2-10 Vdc
Reverse Polarity Protection:	60Vdc
Storage Temperature:	-40°F to +185°F (-40°C to +85°C)
EMC:	Compliant with EN 61000-6-2 standard for industrial environments
Durability:	Compliant with EN 61000-6-2 standard
Humidity (non-condensing):	0-90%
PC Programmability:	Can be programmed via PC.

RTD, Potentiometer and Resistance to Modbus TCP converter DAT8014

Brand Model:	DAT8017-I, DAT8017-V
Output Signal:	DAT8017-I - 4-20 mA, DAT8017-V - 0-10 Vdc
Supported Inputs:	DAT8017-I - 4-20 mA, -20 to 20 mA, DAT8017-V - 0-10 Vdc, -10 to +10 Volt
Power Supply Voltage:	14-30Vdc
Reverse Polarity Protection:	60Vdc
Isolation:	1500Vac Between Input / Communication / Power Supply
EMC:	For industrial environments
Operating Temperature:	14°F to +140°F (-10°C to +60°C)
Storage Temperature:	-40°F to +185°F (-40°C to +85°C)
Humidity (non-condensing):	0-90%
Instantaneous Consumption:	DAT8017-I - 60 to 115 mA, DAT8017-V - 0-10 Vdc
PC Programmability:	Programmable Between PC Input/Communications/Power Supply

Modbus Tcp Protocol DAT 8014 / DAT 8019

Brand / Model:	Datexel DAT8019 / DAT8014
Output Signal:	DAT8019: 4-20 mA (RTD, Pt100, Pt1000, Ni100, Ni1000) and Resistance (0-2000 Ohm) DAT8014: 4-20 mA (RTD, Pt100, Pt1000, Ni100, Ni1000) and Resistance (0-500 Ohm, 0-2000 Ohm)
Instantaneous Consumption:	Between 60 and 115 mA
Power Supply Voltage:	14-30Vdc
Reverse Polarity Protection:	60Vdc
Operating Temperature:	14°F to +140°F (-10°C to +60°C)
Storage Temperature:	-40°F to +185°F (-40°C to +85°C)
Humidity (non-condensing):	0-90%
PC Programmability:	Programmable Between PC Input / Communication / Power Supply

Modbus Tcp Protocol DAT 8015 / DAT 8018

Brand / Model:	Datexel DAT8015 / DAT8018
Output Signal:	DAT8015: 4-20 mA, -20mA to +20mA, 0-10V, -10V to 10V DAT8018: Thermocouple (J, K, R, S, B, E, T, N), mV (-100mV to +100mV, -250mV to +250mV)
Supported Inputs:	DAT8015: 4-20 mA, -20mA to +20mA, 0-10V, -10V to 10V DAT8018: Thermocouple (J, K, R, S, B, E, T, N), mV (-100mV to +100mV, -250mV to +250mV)
Power Supply Voltage:	14-30Vdc
Reverse Polarity Protection:	60Vdc
Isolation:	1500Vac Between Input / Communication / Power Supply
EMC:	For industrial environments
Operating Temperature:	14°F to +140°F (-10°C to +60°C)
Storage Temperature:	-40°F to +185°F (-40°C to +85°C)
Instantaneous Consumption: x	-40°F to +185°F (-40°C to +85°C)
PC Programmability:	Programmable Between PC Input/Communications/Power Supply

Signal Isolators & Signal Converters

ModBus TCP to 4-20 mA Output. DAT8024

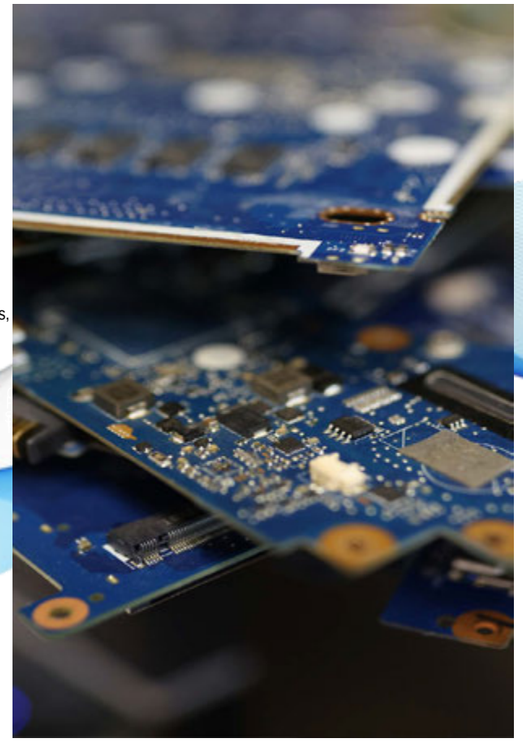
Brand/Model:	Datexel DAT8024
Output Signal:	4-20 mA, 0-10V, -10V to +10V, -20mA to +20mA
Power Supply Voltage:	18-30Vdc
Reverse Polarity Protection:	60Vdc
Isolation:	1500Vac Between Input/Communication/Power Supply
EMC:	For industrial environments
Operating Temperature:	14°F to +140°F (-10°C to +60°C)
Storage Temperature:	-40°F to +185°F (-40°C to +85°C)
Instantaneous Consumption:	Between 60 and 115 mA
PC Programmability:	Programmable Between PC Input/Communication/Power Supply

Modbus Data Logger. DAT9011DL

Brand/Model:	Datexel DAT9011USB
Output Signal:	mV, Volt, RTD, Resistance, Potentiometer, mA, Thermocouples, Digital Input, Current (4-20mA, 0-20mA), 2 Relays
Supported Inputs:	mV, Volt, RTD, Resistor, Potentiometer, mA, Thermocouples, Digital Input
Power Supply Input:	10-30Vdc
Reverse Polarity Protection:	60Vdc
Storage Temperature:	-40°F to +185°F (-40°C to +85°C)
Instantaneous Consumption:	Between 45 and 170 mA
PC Programmability:	Yes

Modbus RTU Master with Analog IO DAT9011

Brand/Model:	Datexel DAT9011
Input:	mV, Volt, RTD, Resistance, Potentiometer, mA, Thermocouples, Digital Input, Current (4-20mA, 0-20mA), 2 Relays
Output:	2 Relays
Power Supply Voltage:	10-30Vdc
Reverse Polarity Protection:	60Vdc
Current Consumption:	Between 45 and 80 mA
PC Programmability:	Yes
Isolation:	Between Input / Communication / Power Supply, PC Programmable, 1500Vac
Operating Temperature:	14°F to +140°F (-10°C to +60°C)
Durability:	EN 61000-6-2
Dimensions:	W x H x T 4" x 4 3/4" x 7/8" (100 x 120 x 22.5 mm)
Storage Temperature:	-40°F to +185°F (-40°C to +85°C)
Emission:	EN 6100-6-4



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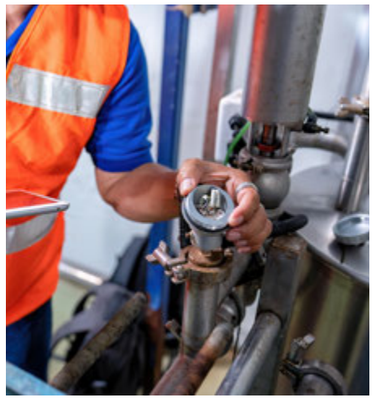

Thermocouple & Pt100 Measurement

RST MEASUREMENT CONTROL TECHNOLOGIES

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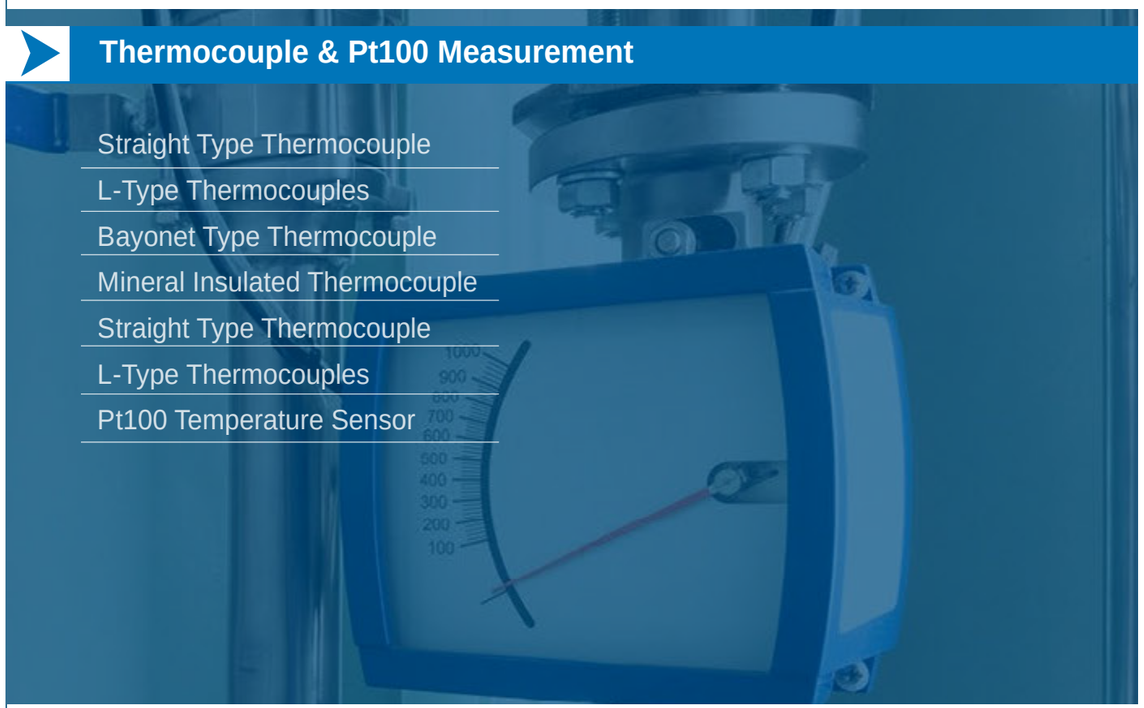
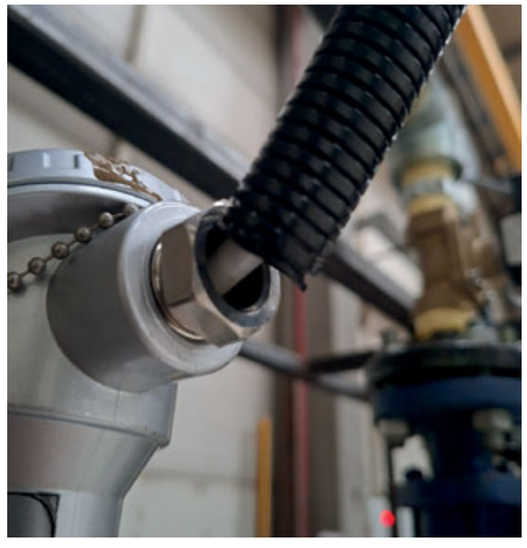
Thermocouple & Pt100 Measurement



- Straight Type Thermocouple
- L-Type Thermocouples
- Bayonet Type Thermocouple
- Mineral Insulated Thermocouple
- Straight Type Thermocouple
- L-Type Thermocouples
- Pt100 Temperature Sensor



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QUALITY CE CERTIFICATE

Straight Type Thermocouple

Thermocouple Standard:	DIN 43710 and IEC 60584
Supported Classes and Types:	Class J, L, K, E, T, N type elements, Class-1 / S and R types, Class-1/B type, Class-2
Protective Case Standard:	Metal in accordance with DIN and AISI standards, DIN 40685, Ceramic standards
Head Standard:	A, B, and C type head in DIN 43729 standard

L Type Thermocouples

Standard:	DIN 43710 and IEC 60584
Supported Classes and Types:	Class J, L, K, E, T, N type elements; Class-1 / S and R types; Class-1 / B type Class-2
Protective Case Standard:	Metal in DIN and AISI standards, ceramic in DIN 40685 standards
Head Standard:	A and B type Aluminum head IP6 in DIN 43729 standard

Bayonet Type Thermocouple

Usage:	Generally used in environments with easier process conditions.
Installation:	Fixed cable production, fixed to points by spring compression.
Sealing Feature:	Not present due to the metal pipe being clamped and fixed on the cable outlet side.
Suitability:	Cannot be used in humid environments for liquids.
Application:	Typically used by contacting the surface of metal blocks or by placing it in certain slots on heater blocks in a hole drilled into the metal.

Mineral Insulated Thermocouples

Applications:	Monitoring liquids and gases like water, air, oil, and gas, Various industrial settings including pipelines, tanks, machinery, test centers, and laboratories, Harsh environments such as reactors, pressure vessels, nuclear power plants, and chemical industries.
Ideal for:	
Key Features:	Withstand temperatures up to 1200°C, Available with single or double elements, Flexible design allows bending and coiling like a cable, Can be easily tailored to specific needs with low diameters. Simple installation and handling.
Benefits:	Versatile usage in diverse environments. Reliable performance in extreme conditions. Easy to manipulate and install. Cost-effective solution for temperature measurement needs.
Ideal for:	Tunnel ovens for temperature monitoring under moving cars and temperature distribution inside ovens.

Portable Type Thermocouple

Portable thermocouples are conveniently used in a wide variety of processes. It is used to measure both surface and ambient temperatures. However, portable surface and environment measurements sometimes cause controversy in terms of measurement reliability. For this reason, when using portable type thermocouples, it is necessary to pay attention to the properties of the thermocouples and eliminate the reasons that may undermine trust. Or some unavoidable situations must be taken into consideration.

Inset and Inset Type Thermocouple

Application Areas	Key Features
Pipelines, tanks, boilers	Ease of maintenance: Outer sheath replacement without process interruption. - Cost-effective solution.
Liquid and gas processing	Seamless replacement process facilitated by Ordel OT05 inset type thermocouple.
Pressurized operations	Wide range of standard inset types available (OT03, OT04, OT20)
Environments prone to rapid thermocouple wear	Compliance with DIN 43710 and IEC 60584 standards. - Support for various thermocouple classes and types: J, L, K, E, T, N; Class-1/S and R; Class-1/B and Class-2. - Protective case options: Metal (DIN/AISI) or ceramic (DIN 40685).

Installation and Maintenance

Connected to measurement environment using records, flanges, or welding.

Inset compensation cable inside the sheath allows easy connection to the head.

Inset can be replaced within the sheath without halting the process, ensuring uninterrupted monitoring and operation.

Resistance Thermometer with Socket Connection DMS 21

OM12 Series Thermocouples Application:	Designed for temperature measurements in industrial environments, especially preferred in the food industry and Compliance with international standards, reliability, and ease of use.
Design Basis:	
Specifications:	Mineral Insulated Temperature Range: -200°C to +1200°C Sensor Types: T, L, J, K, N Hygienic Connection Option M12 Connection with IP66 Rating DIN 43650 Electrical Connection

Mineral Insulated Thermocouple

Immersion Length	Determined according to customer's request
Immersion Diameter	6mm, 8mm, 10mm (Additional sizes available upon request)
Connection Record	1/2"
Output Signal	Resistance or 4-20mA
Other Features	- Additional features available upon request

Straight Type Thermocouple Temperature Meter

Immersion Length	Specify during manufacturing phase
Immersion Diameter	6mm, 8mm, 10mm (Additional sizes available upon request)
Connection Record	1/2"
Output Signal	mV or 4-20mA
Other Features	- Additional features available upon request
Thermocouple Standard	DIN 43710 and IEC 584
Outer Protector	Metal (DIN and AISI standards), Ceramic (DIN 40685)
Head	DIN 43729 A type and B type Aluminum die-cast head. IP67 protected

Infrared Thermometer PIR-1500

Measurement Range:	-35°C to +1500°C
Operating Range:	0°C to 50°C
Accuracy:	±2% of reading or 2°C ±2%
Emissivity Range:	0.1 to 1.0 (Default 0.95)
Response Time:	1 second
D:S (Distance:Spot):	75:01:00
Memory:	Detailed 24 Memories with Temperature & Emissivity
Battery Life:	Minimum 14 hours continuous use (Alkaline, without Laser and Back Light.)
Dimensions:	204.14 x 179.19 x 58.40mm
Weight:	355g including batteries (AAA*2pcs)
	Thermocouple Probe Scan function (K type; bead wire included):
Measurement Range:	K Type: -64°C to +1400°C; Bead: -50°C to +250°C
Accuracy:	±1% of reading or 1°C

Infrared Thermometer Options - PIR-550

Measurement Range:	-60°C to 550°C
Operating Range:	0°C to 50°C
Accuracy:	Measured value ±2% or ±2°C
Emissivity:	Range from 0.1 to 1.0 (default value: 0.95)
Response Time:	1 second
D:S (Distance:Spot):	12:01
Battery Life:	Minimum 14 hours continuous use
Dimensions:	143.9 x 116.73 x 42.78mm
Weight:	180 grams (6.35 oz) including batteries (AAA*2pcs)

Kızılötesi Termometre PIR-80

Range	800 ~ 1700°C
Operating Temperature	0~50°C
Accuracy	±1%
Emissivity	0.95(Fix)
Response Time	0.05 sec
D:S (Distance:Spot)	100:01:00
Chargeable Indicator : LED	Battery voltage : Below 3.5V
Battery level	3.7V 2600mA
charging system	Overcharge V:4.2 V, Overcharge V:2.5 V, Overcurrent A:3A
Battery life	Min 40 hours continuous use
Dimensions	80 x 180 x 190mm(WxDxH)
Weight	1200g (with the Battery)

MIR-64/MDI-64 Smoke Detector

Model	MIR64
Power	DC 24V
Size	55ø*52mm
Power Consumption	0.84W
Temperature Measurement Range	-20°C~300°C
Measurement Type	16*4 Infrared Temp.
Measurement Error	±1°C
Measurement Range	60˚*16˚ FOV

Model	MDI-64
Case Front	Waterproof Type
Screen Size	7 inches (Option 10.2 inches)
Resolution	800x480
Communication Port	RS232x2,RS485x1,Ethernetx1
Touch Type	Pressure Sensing Type (Resistance Membrane Type)
Internal	Audio (SD card not required)
Power	12~24VDC
Cutting Size	177*114mm
Power	Consumption <5W

Infrared Thermometer - IR-compact

Measured range	-60~380°C
Sensor Type	Thermopile
Accuracy	±1°C/FS
Error Range	±1%
Field of view(V:S)	08:01
Wavelength Between	8~14
Response Time	within 100 ms
Emissivity	0.10~0.99
Analog output	4~20mA
Communication output	RS-485 Communication
Power	DC 12~24V(Max. 200mA)
Working Temperature	0~80°C
Soluble Temperature	0.1°C
Operating Relative Humidity	5~90%
Storage Temperature	-30~85°C
International Protection	IP65, NEMA 4
External Material:	SUS
Weight	285g

Infrared Thermometer IR-22 | Industrial Temperature Measurement

Measured Range	-60~380°C
Device	Thermophile
Accuracy	±1°C/FS or 1°C
Error Range	±1%
Field of view (D:S)	10:01
Wavelength Between	8~14
Response Time	Less than 100 ms
	Emissivity fixed at 0.95 (When using PC software program can be changed)
Analog output	4~20mA
Communication output	RS-485 communication
Power	DC 20~24V(Max. 50mA)
Operating Temperature	-20~70°C
Soluble Temperature	0.1°C
Relative Humidity	5~90%
Storage Temperature	-30~85°C
Size	ø16X70.5(L)
Housing material	SUS
Weight	75g
Cable length	1.2M, other

Infrared Thermometer 4-IRMAN

Measured range	-60~400°C
Detection method	Thermopile
Accuracy	±1°C/F.S or 1°C
Error Range	±1%
Field of view (D:S)	10:01
Wavelength Range	8~14!
Response Time	Less than 100msec
Emissivity	0.10~1.00
Analog output	4~20mA, 1~5V (option)
Communications output	RS-485 Communications
Relay output	2 step – Relay Contact (AL1/AL2)
Power	DC 20~24V (Max 200mA)
Operating Temperature	0~70°C
Resolvable Temperature	0.1°C
Relative Humidity	5~90%
Storage Temperature	-30~85°C
International Protection	IP65, NEMA 4
Laser pointer	630~670nm(red) (option)
Size	Body Control (98x64) / Sensing Head (27xø10)
External Material	SUS
Wieght	285g
Cable Length	3M, other

Industrial Infrared Thermometer IR-90

Range	150°C~700°C / 500°C~1700°C
Resolution	0.1°C
Emissivity	0.10~0.99
Response Time	Within 50msec
Accuracy	±1%/F.S or 1°C
Sensor	InGaAs, Silicon
Field of View (D:S)	100:01:00
Wavelength Range	0.85~1.1 , 1~1.6 , 2.0
Input Power	DC 20~24V (Max 50mA)
External Material	Aluminum
Cable	3m, other

Infrared Thermometer IR-100

Power	DC24V
Current Consumption	6W
Analog Output	4-20mA
Communication Output	RS-485
Display	LED 4digit green display
Emissivity	0.00~1.00
Response Time (t90)	1ms
Accuracy	1°C or 0.5%
Aiming	Laser Beam
Operating Temperature	0~75°C
Relative Humudity	95%RH(non-condensing)
International Protection	IP65
Weight	1.2 5
Material	SUS304

Infrared Thermometer IR-View

Measured range	800~2400°C
Accuracy	±1°C/F.S or 1°C
Error Range	±1%
Field of view(D:S)	8,334027778
Wavelength Rang	1.1 , 1.0
Sensor Type	Si
Response Time	Less than 0.001sec
Emissivity (one color)	0.10~0.99
Emissivity (two color)	0.75~1.25
Analog output	4~20mA
Communication output	RS-485 Communication
Relay Output	1 step- Relay Contact (High/Low)
Power	DC 12~24V(Max 200mA)
Operating Temperature	0~80°C
Resolvable Temperature	1°C
Operating Relative Humidi	5~90%
Storage Temperature	-30~85°C
International Protection	IP65, NEMA 4
External Material	AL
Weight	960 g
Cable length	3M, other

RST MEASUREMENT CONTROL TECHNOLOGIES

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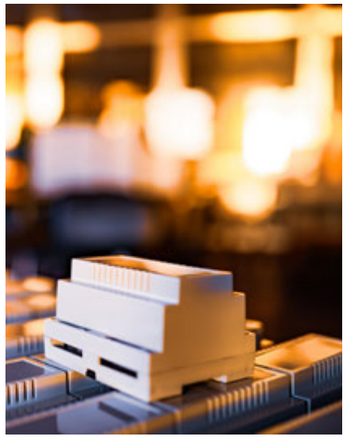
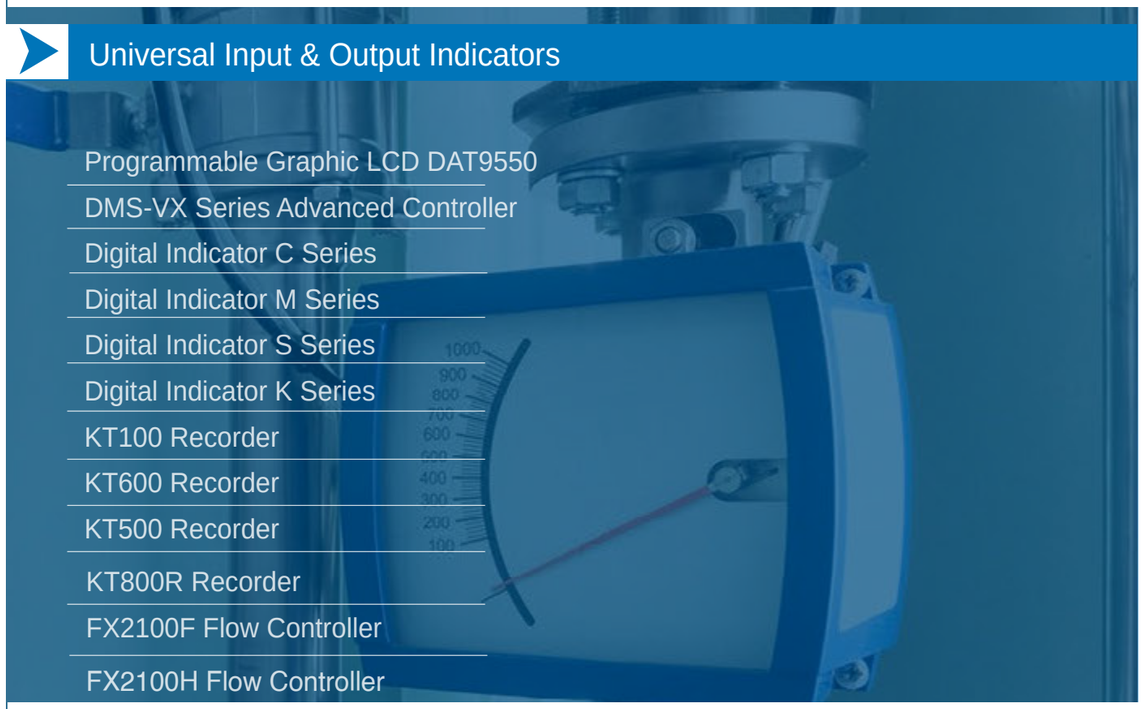


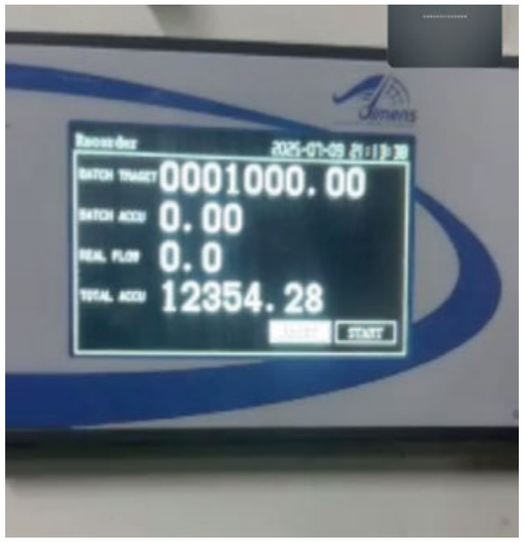
Universal Input & Output Indicators

RST MEASUREMENT CONTROL TECHNOLOGIES

Universal Input & Output Indicators



- Programmable Graphic LCD DAT9550
- DMS-VX Series Advanced Controller
- Digital Indicator C Series
- Digital Indicator M Series
- Digital Indicator S Series
- Digital Indicator K Series
- KT100 Recorder
- KT600 Recorder
- KT500 Recorder
- KT800R Recorder
- FX2100F Flow Controller
- FX2100H Flow Controller



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DMS-VX Series Advanced Controller

Input Channels:	1-4 channels incoming.
Measurement Time:	1 second.
Frequency Input:	Low Level: 0 - 2V., High Level: 4 - 24V.
Analog Input Card:	Resolution Rate: 16 bit., Sampling Rate: 1 sample per second., Measurement Accuracy: 0.2% Full Scale.
Minimum Supply Voltage:	-15VDC.
Maximum Supply Voltage:	+15VDC.
Rated Voltage:	220VAC.
Supply Power Range:	100-240VAC.
Rated Frequency:	50 Hz.
Power Distribution:	10W.
Total Records:	256 records.
Output:	Internal relay.
Output Voltage:	24VDC.
Maximum Output Current:	60mADC (overload protection current: about 90mA).
Exit Points:	1 cycle.
Ambient Temperature:	-1°C to 60°C.
Ambient Humidity:	0% - 95% RH (No condensation).

Programmable Graphic LCD DAT9550

Brand	DATEXEL (Italy)
Code	DAT9550
Digital Display	132 x 32 Pixels
Communication	RS485: Port 1 Modbus RTU Master, Port 0 Modbus RTU Slave
	RS232: Modbus RTU secondary
	Ethernet: 10Base-T, Modbus TCP
Supply Voltage	10 - 30 Vdc. Reverse Polarity Protection up to 60 Vdc
Operating Temperature	-4°F to +140°F (-20°C to +60°C)
Storage Temperature	-40°F to +185°F (-40°C to +85°C)
Humidity (non-condensing)	0-90%
Housing Material	Self-extinguishing
Dimensions (W x L x H)	4 x 4 3/4 x 1 inch, 100 x 120 x 22.5 mm
Weight	7oz (200g)
EMC	For industrial environments. Immunity: EN 61000-6-2. Emission: EN 61000-6-4
Isolation	1500Vac, 50Hz, 1 Minute
Configuration	Possible via PC, DIP Switches

Digital Indicator C Series

Type	Digital Panel Meter
Function	AC Voltmeter, AC Ammeter, AC Power Lines Frequency Meter, DC Voltmeter, DC Ammeter, Process Measurement, Temperature Measurement, Potentiometer Measurement, Resistance Measurement
Input Ranges	Vac, Vdc, Aac, Adc, Hz, mA, Pt100, Pt500, Pt1000, Ni100, Ni200, Ni1000, NTC, PTC, Thermocouples K,J,E,N,R,L,S,T,C,B, Resistors, Potentiometers
Excitation Voltage	+15Vdc (max. 30mA)
Display Type	7-Segment LED
Number Height	14 mm
LED Color	Red
Power	18-265 Vac/dc (Isolated)
Isolation	1500 Vef
IP Protection	IP65 Front
Mounting	Panel Mounting
Front Size	96x48mm

Digital Indicator M Series

Segment	General Industry Applications
Function	AC Voltmeter, AC Ammeter, TrueRMS Measurement, AC Frequency Meter, DC Voltmeter, DC Ammeter for Power Lines, Process Measurement, Temperature Measurement, Potentiometer Measurement, Pulse Counter, Speed Meter, Period Meter, Stopwatch, Timer, Modbus RTU Repeater, RS-485 ASCII Repeater, RS-232 ASCII Repeater, Load Cells, Weight
Figures	46
Excitation Voltage	5 to 20Vdc (max. 30mA), 5Vdc, 5 to 18Vdc (max. 70mA), +5Vdc (max. 140mA), +10Vdc (max. 140mA)
Number Type	7-Segment LED
LED Color	Red, Green
Power	85-265 Vac/dc (Isolated), 11-60 Vac/dc + 24-48Vac (Isolated)
IP Protection	IP65 Front
Mounting	Panel Mounting
Front Size	96x48mm Front Size

Digital Indicator K Series

Segment	General Industry Applications
Type	Digital Panel Meter
Function	AC Voltmeter, AC Ammeter, TrueRMS Measurement, DC Voltmeter, DC Ammeter, Process Measurement, Temperature Measurement, Potentiometer Measurement, Pulse Counter, Speed Meter, Period Meter, Stopwatch, Time Counter, Modbus RTU Repeater, RS-485 ASCII Repeater, RS-232 ASCII
Figures	4
Number Type	7-Segment LED
Number Height	20 mm
LED Color	Red
Power	85-265 Vac/dc (Isolated), 11-60 Vac/dc + 24-48Vac (Isolated)
IP Protection	IP65 Front
Mounting	Panel Mounting
Front Size	96x48mm Front Size

Digital Indicator S Series

Segment	Genel Endüstri Uygulamaları
Tip	Dijital Panel Metre
İşlev	AC Voltmetre, AC Ampermetre, TrueRMS Ölçümü, DC Voltmetre, DC Ampermetre, Proses Ölçümü, Sıcaklık Ölçümü, Potansiyometre Ölçümü, Darbe Sayacı, Hız Ölçer, Dönem Ölçer, Kronometre, Zaman Sayacı, Modbus RTU Tekrarlayıcı, RS-485 ASCII Tekrarlayıcı
Rakamlar	4
Rakam Türü	7-Segment LED
Rakam Yüksekliği	14 mm
LED Rengi	Yeşil
Güç	85-265 Vac/dc (İzole), 11-60 Vac/dc + 24-48Vac (İzole)
IP Koruması	IP65 Ön
Montaj	Panel Montaj
Ön Boyut	73x63mm Ön Boyut

KT100 Recorder

Rated Voltage	220VAC
Voltage Range	100VAC ~ 240VAC
Rated Frequency	50Hz
Consumption	10W (including optional function)
Input Channels	1-4 channels
Measurement Time	1 second
Signal Type	Direct Current (I), Direct Voltage (V), TC, RTD, FR
Voltage Levels	Low Level: 0-2V, High Level: 4-24V
Duty Cycle	10% - 90%
Drive Current	Minimum 5mA
Analog Input Card	Resolution Rate: 16 bit, Sample Rate: 1 per second
Signal Terminal	Pressure Min -24VDC, Max +24VDC
Common Mode Voltage	Series (50Hz): 5V - 1.5V, 10V - 1.5V, 20mV - 50mV, 100mV - 150mV
Sensor Break Line Detection	Thermocouple, Thermal Resistance, Disconnecting the sensor if 4-20mA input current is less than 2mA. It does not adapt to other signals.

KT600 Recorder

Nominal Voltaj	220VAC
Gerilim Aralığı	100VAC ~ 240VAC
Anma Frekansı	50Hz
Tüketim	20W (isteğe bağlı işlev dahil)
Giriş Kanalı	1-16 kanal
Ölçüm Süresi	1 saniye
Sinyal Tipi	Doğru Akım (I), Doğru Voltaj (V), TC, RTD, FR
Düşük Seviye	0-2V
Yüksek Seviye	4-24V
Görev Döngüsü	%10 - %90
Sürücü Akımı	Minimum 5mA
Analog Giriş Kartı	Çözünürlük Oranı: 16 bit, Örnekleme Hızı: saniyede 1
Sinyal Terminali Basıncı	Min -24VDC, Maks +24VDC
Ortak Mod Voltajı Serisi (50Hz)	5V - 1.5V, 10V - 1.5V, 20mV - 50mV, 100mV - 150mV
Sensör Kırılma Hattı Tespiti	Termokupl, Termal Direnç, Sensörün Bağlantısının Kesilmesi. 4-20mA Giriş Akımı 2mA'den Düşük. Diğer Sinyallere Uyum Sağlamaz.

KT500 Recorder

Nominal Voltaj	220VAC
Gerilim Aralığı	100VAC ~ 240VAC
Anma Frekansı	50Hz
Tüketim	20W (isteğe bağlı işlev dahil)
Giriş Kanalı	1-16 kanal
Ölçüm Süresi	1 saniye
Sinyal Tipi	Doğru Akım (I), Doğru Voltaj (V), TC, RTD, FR, Frekans Girişi
Düşük Seviye	0-2V
Yüksek Seviye	4-24V
Görev Döngüsü	%10 - %90
Sürücü Akımı	Minimum 5mA
Analog Giriş Kartı	Çözünürlük Oranı: 16 bit, Örnekleme Hızı: saniyede 1
Sinyal Terminali Basıncı	Min -24VDC, Maks +24VDC
Ortak Mod Voltajı Serisi (50Hz)	5V - 1.5V, 10V - 1.5V, 20mV - 50mV, 100mV - 150mV
Sensör Kırılma Hattı Tespiti	Termokupl, Termal Direnç, Sensörün Bağlantısının Kesilmesi. 4-20mA Giriş Akımı 2mA'den Düşük. Diğer Sinyallere Uyum Sağlamaz.

KT800R Recorder

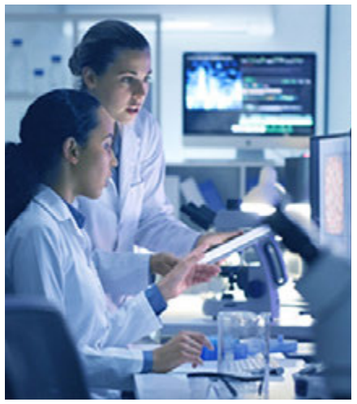
Nominal Voltage	220VAC
Voltage Range	100VAC ~ 240VAC
Rated Frequency	50Hz
Consumption	50W (including optional function)
Input Channel	Signal Type: Direct Current (I), Direct Voltage (V), TC, RTD, FR, Frequency Input
Voltage Levels	Low Level: 0-2V, High Level: 4-24V
Duty Cycle	10% - 90%
Drive Current	Minimum 5mA
Analog Input Card	Resolution Rate: 16 bit, Sample Rate: 1 per second
Signal Terminal Pressure	Min -24VDC, Max +24VDC
Common Mode Voltage Series (50Hz)	5V - 1.5V, 10V - 1.5V, 20mV - 50mV, 100mV - 150mV
Sensor Break Line Detection	Thermocouple, Thermal Resistance, Disconnecting the sensor if 4-20mA input current is less than 2mA. Does not adapt to other signals.

FX2100F Flow Controller

Flow Signal	Supports 4-20mA and frequency input, DC24V power distribution
Temperature Signal	Accommodates two sets of inputs, DC24V power distribution, supports 4-20mA, PT100, PT1000
Switch Signal	Provides mains failure alarms for operational continuity
Transmission Output	Supports 4-20mA transmitter output
Alarm Output	Features relay contact outputs for comprehensive alarms
Flow Sensors	Compatible with various throttling devices, supports differential pressure flowmeters
Fluid Medium	Adapts to water, oil, and chemical products
Trade Settlement	Implements dual password system, automatic unit conversion
Compensation Formula	Adheres to industry standards for various calculations
Data Recording	Records flow, temperature, pressure, supports customizable intervals
USB Backup	Simplifies data management with USB2.0 interface, supports backup for reports, historical data
Communication	Equipped with RS485, RS232C, supports MODBUS-RTU protocol

FX2100H Flow Controller

Flow Signal	Supports 4-20mA and frequency input, DC24V power distribution
Temperature Signal	Compatible with 4-20mA, PT100, PT1000, and offers DC24V power distribution
Switch Signal	Main failure alarm support
Transmission Output	Backed by 4-20mA transmitter output support
Alarm Output	Equipped with relay contact outputs
Flow Sensors	Compatible with various throttling devices, V cone flowmeter, and differential pressure flow meter
Universal Pressure Meter Flow Coefficient K	Adjustable and segmented into up to 10 segments
Differential Pressure Flowmeter	Offers instrumentation and sensor prescribing modes
Pulse Output Flow Coefficient K	Segmented for flow meter settings, with up to 10 segments
Fluid Medium	Compatible with water, liquid (oil, chemical products), and oil
Trade Settlement	Double password protection, automatic unit conversion, and real-time monitoring
Compensation Formula	Calculates various coefficients according to industry standards
Data Recording	Records instantaneous flow, temperature, pressure, and offers customizable intervals
USB Backup	Supports USB2.0 interface for importing/exporting configuration parameters and backup
Communication	RS485, RS232C interfaces, MODBUS-RTU protocol support, and compatibility with GPRS



Datalogger

Single-use Temperature Logger S2 T

Brand / Model	Tempmate®-s2
Usage	Single-use
Runtime	Up to 180 recording days
Accuracy	±0.3°C (-20°C to 40°C), ±0.5°C (Others)
Housing	Hardcase with removable USB-cap
Operation	Start/stop button
Monitoring	Temperature
Report Format	PDF & CSV
Certifications	CE, EN12830
Temperature Range	-30°C to 70°C
Connection	Built-in USB interface
Configuration	Pre-configured, ready for immediate use, reprogrammable
Memory Capacity	32,000 readings
Validation Certificate	Individual 6-point validation certificate

Temperature & Humidity Data Logger S2 TH

Brand / Model	Tempmate®-s2
Usage	Single-use
Runtime	Up to 180 recording days
Temperature Range	-30°C to 70°C
Humidity Range	0 to 100% RH
Accuracy	±0.3°C (-30°C to 70°C), ±3% RH (0 to 100% RH)
Operation	Start/stop button
Monitoring	Temperature, Humidity
Report Format	PDF & CSV export
Certifications	CE, EN12830
Connection	Built-in USB interface
Configuration	Pre-configured, ready for immediate use, reprogrammable
Memory Capacity	32,000 readings (temperature/humidity)
Housing	Hardcase with removable USB-cap
Validation Certificate	Individual 6-point validation certificate

Rechargeable Real-Time Monitoring Solution GM2

Brand / Model	Tempmate®-gm2
Monitored Information	Temperature, Humidity, Light, Tilt, Shock, Location
Autonomy	Up to 120 days on rechargeable battery, unlimited when powered on main supply
Data Storage	50,000 readings on local memory, unlimited on Tempmate-cloud
Monitoring	Multi-use & rechargeable data logger
Data Connection	4G worldwide with 2G fall-back, manual USB download as a backup
Flight Mode	Automatic flight detection, no transmission during flight
Temperature Range	-30°C to +70°C with internal sensor, -40°C to +80°C with optional external probe, -200°C to +100°C with optional high temp. external probe

Dry Ice / Low Temperature Data Logger C1

Brand / Model	Tempmate®-c1
Usage	Single-use, multi start/stop within 90 days possible
Runtime	Up to 90 recording days
Accuracy	±0.5°C (-30°C to 70°C), ±1.0°C (Others)
Housing	Waterproof and probe-free, IP65
Operation	Start/stop button, large LCD screen
Temperature Range	-90°C to 70°C
Report Format	PDF & CSV export
Connection	Built-in USB interface, no internet connection necessary
Configuration	Pre-configured, ready for immediate use, reprogrammable
Memory Capacity	20,000 readings using PDF & CSV (default), 35,000 readings using PDF only (optional)

Reliable USB Temperature Data Logger M1

Brand / Model	Tempmate®-m1
Usage	Reusable
Runtime	Up to 12 months
Accuracy	±0.5°C (-20°C to 40°C), ±1.0°C (Others)
Battery	CR2032 button cell, replaceable by the user
Report Format	PDF export
Temperature Range	-30°C to 70°C
Validation Certificate	Individual 6-point validation certificate
Connection	Built-in USB interface
Configuration	Pre-configured, ready for immediate use, reconfigurable with Tempbase software
Memory Capacity	32,000 readings
Certifications	CE, EN12830

Accurate and Multi Use Data Logger M2 T

Brand / Model	Tempmate®-m2
Usage	Reusable
Runtime	Up to 6 months
Accuracy	±0.3°C (-20°C to 40°C), ±0.5°C (Others)
Reports	PDF & CSV
Housing	Waterproof, IP65
Operation	Start/stop button
Monitoring	Temperature
Certifications	CE, EN12830
Battery	CR2450 button cell, replaceable by the user
Temperature Range	-30°C to 70°C -40°C to 90°C with T sensor probe -80°C to +200°C with Pt100 sensor probe
Connection	Built-in USB interface
Configuration	Pre-configured, ready for immediate use, reconfigurable with the integrated configurator or Tempbase software
Validation Certificate	Individual 6-point validation certificate

Temperature and Humidity Data Logger M2 TH

Brand / Model	Tempmate®-m2
Usage	Reusable
Runtime	Up to 6 months
Sensors Range	Temperature: -30°C to 70°C; Humidity: 0 to 100% RH
Accuracy	Temperature: ±0.3°C (-20°C to 40°C), ±0.5°C (Others); Humidity: ±3% RH (20 to 40% RH), ±5% (Others, at 25°C)
Reports	PDF & CSV
Housing	Waterproof, IP65
Operation	Start/stop button
Monitoring	Temperature, Humidity
Battery	CR2450 button cell, replaceable by the user
Connection	Built-in USB interface
Configuration	Pre-configured, ready for immediate use, reconfigurable with the integrated configurator or Tempbase software
Validation Certificate	Individual 6-point validation certificate
Certifications	CE, EN12830

Real-time Supply Chain Data Logger G2 T

Brand / Model	Tempmate.®-gs2
Usage	Single-use, multi start/stop
Runtime	Up to 120 recording days
Temperature Range	-30°C to +70°C
Accuracy	±0.3°C (-10°C to 45°C), ±0.5°C (Others)
Monitoring	Temperature, light, shock & tilt, location
Ambient Light	Parcel opening detection
Location	LBS-GSM localization
Report Format	PDF on-board, advanced cloud reports
Data Transmission	Worldwide LTE 4G Cat 1 with 2G fallback
Battery	Lithium or non-lithium (optional)
Housing	Waterproof and probe-free, IP65
Certifications	CE, EN12830, FCC

Reliable USB Temperature Data Logger M1

Brand / Model	Tempmate®-m1
Usage	Reusable
Runtime	Up to 12 months
Accuracy	±0.5°C (-20°C to 40°C), ±1.0°C (Others)
Battery	CR2032 button cell, replaceable by the user
Report Format	PDF export
Temperature Range	-30°C to 70°C
Validation Certificate	Individual 6-point validation certificate
Connection	Built-in USB interface
Configuration	Pre-configured, ready for immediate use, reconfigurable with Tempbase software
Memory Capacity	32,000 readings
Certifications	CE, EN12830

Accurate and Multi Use Data Logger M2 T

Brand / Model	Tempmate®-m2
Usage	Reusable
Runtime	Up to 6 months
Accuracy	±0.3°C (-20°C to 40°C), ±0.5°C (Others)
Reports	PDF & CSV
Housing	Waterproof, IP65
Operation	Start/stop button
Monitoring	Temperature
Certifications	CE, EN12830
Battery	CR2450 button cell, replaceable by the user
Temperature Range	-30°C to 70°C -40°C to 90°C with T sensor probe -80°C to +200°C with Pt100 sensor probe
Connection	Built-in USB interface
Configuration	Pre-configured, ready for immediate use, reconfigurable with the integrated configurator or Tempbase software
Validation Certificate	Individual 6-point validation certificate

Temperature and Humidity Data Logger M2 TH

Brand / Model	Tempmate®-m2
Usage	Reusable
Runtime	Up to 6 months
Sensors Range	Temperature: -30°C to 70°C; Humidity: 0 to 100% RH
Accuracy	Temperature: ±0.3°C (-20°C to 40°C), ±0.5°C (Others); Humidity: ±3% RH (20 to 40% RH), ±5% (Others, at 25°C)
Reports	PDF & CSV
Housing	Waterproof, IP65
Operation	Start/stop button
Monitoring	Temperature, Humidity
Battery	CR2450 button cell, replaceable by the user
Connection	Built-in USB interface
Configuration	Pre-configured, ready for immediate use, reconfigurable with the integrated configurator or Tempbase software
Validation Certificate	Individual 6-point validation certificate
Certifications	CE, EN12830

Real-time Supply Chain Data Logger G2 T

Brand / Model	Tempmate.®-gs2
Usage	Single-use, multi start/stop
Runtime	Up to 120 recording days
Temperature Range	-30°C to +70°C
Accuracy	±0.3°C (-10°C to 45°C), ±0.5°C (Others)
Monitoring	Temperature, light, shock & tilt, location
Ambient Light	Parcel opening detection
Location	LBS-GSM localization
Report Format	PDF on-board, advanced cloud reports
Data Transmission	Worldwide LTE 4G Cat 1 with 2G fallback
Battery	Lithium or non-lithium (optional)
Housing	Waterproof and probe-free, IP65
Certifications	CE, EN12830, FCC

Real-time Supply Chain Data Logger GS2 TH

Brand / Model	Tempmate.®-gs2
Usage	Single-use, multi start/stop
Runtime	Up to 120 recording days
Temperature Range	-30°C to +70°C
Accuracy	±0.3°C (-10°C to 45°C), ±0.5°C (Others)
Humidity Range	0% to 100% RH
Humidity Accuracy	±3% (20% to 80% RH), ±5% (Others)
Monitoring	Temperature, relative humidity, light, shock & tilt, location
Ambient Light	Parcel opening detection
Location	LBS-GSM localization
Report Format	PDF on-board, advanced cloud reports
Data Transmission	Worldwide LTE 4G Cat 1 with 2G fallback
Battery	Lithium or non-lithium (optional)
Housing	Waterproof and probe-free, IP65
Certifications	CE, EN12830, FCC

The Miniature and Rugged Button Data Logger B1

Brand / Model	Tempmate.®-b
Runtime	10 years or 1 million samples
Housing	Stainless steel
Accuracy	±1°C (-30°C to 70°C), ±1.3°C (Others)
Power Supply	3.0V lithium battery, permanently installed
Monitoring	Temperature
Temperature Range	-40°C to 85°C
Protection Class	IP55
Sampling	1 to 255 minutes
Connection	USB adapter
Software	Supplied with Tempit software

The Miniature and Rugged Button Data Logger B2

Brand / Model	Tempmate.®-b2
Runtime	5 years at 30°C (10 min sampling)
Housing	Stainless steel
Accuracy	±0.5°C (-10°C to 65°C)
Power Supply	3.0V lithium battery, permanently installed
Monitoring	Temperature
Temperature Range	-40°C to 85°C
Protection Class	IP55
Sampling	2 seconds to 24 hours
Connection	USB adapter
Software	Supplied with Tempit software

The Miniature and Rugged Button Data Logger B3

Brand / Model	Tempmate.®-b3
Runtime	5 years at 30°C (10 min sampling)
Housing	Stainless steel
Accuracy	±0.5°C (-20°C to 75°C)
Power Supply	3.0V lithium battery, permanently installed
Monitoring	Temperature
Temperature Range	0°C to 125°C
Protection Class	IP55
Sampling	2 seconds to 24 hours
Connection	USB adapter
Software	Supplied with Tempit software

Dataloggers
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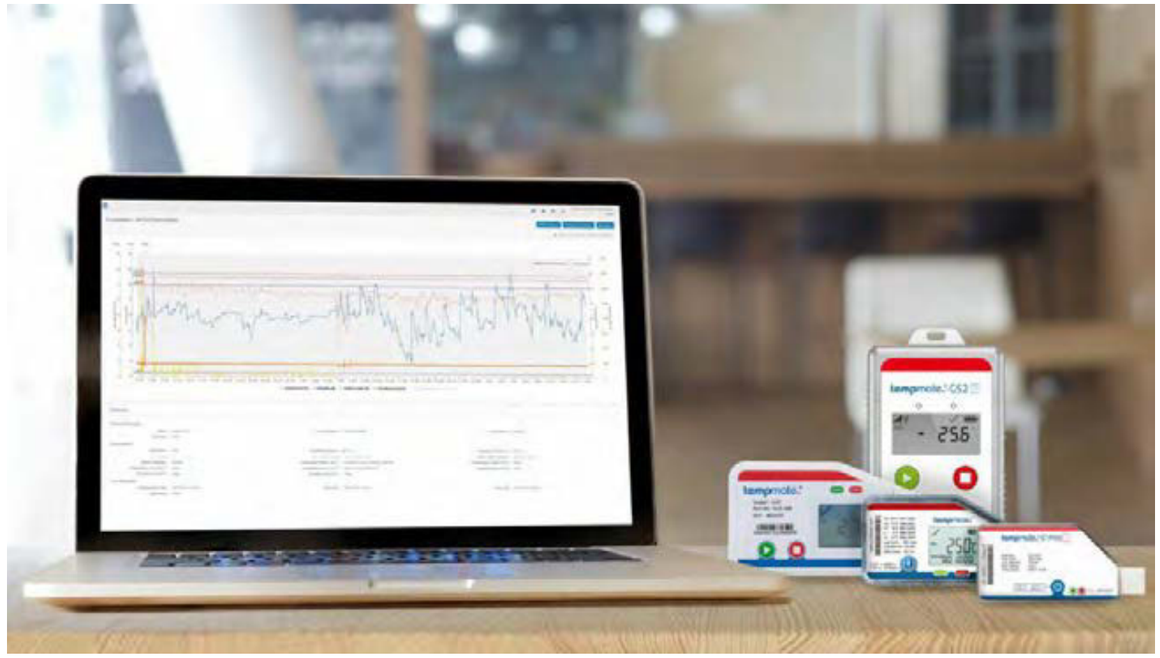
The Miniature and Rugged Button Data Logger B4

Brand / Model	Tempmate.®-b4
Runtime	5 years at 30°C (10 min sampling)
Housing	Stainless steel
Accuracy	Temperature: ±0.5°C (-10°C to 70°C) Humidity: ±5% RH, ±2% RH (calibrated)
Power Supply	3.0V lithium battery, permanently installed
Monitoring	Temperature, Humidity
Range	Temperature: -20°C to 85°C Humidity: 0% to 100%
Protection Class	IP55
Sampling	2 seconds to 24 hours
Connection	USB adapter
Software	Supplied with Tempit software

The Miniature and Rugged Button Data Logger B5

Brand / Model	Tempmate.®-b
Type	Temperature and Humidity Button Logger (B Models)
Runtime	5 years at 30°C (10 min sampling)
Housing	Stainless Steel
Accuracy	±0.2°C (+110°C to +140°C) ±0.5°C (80°C to 140°C) ±1°C (15°C to 80°C)
Power Supply	3.0V Lithium Battery, Permanently Installed
Monitoring	Temperature
Temperature Range	15°C to 140°C
Protection Class	IP55
Sampling	2 sec. to 24 hours
Connection	USB Adapter
Software	Supplied with Tempit Software



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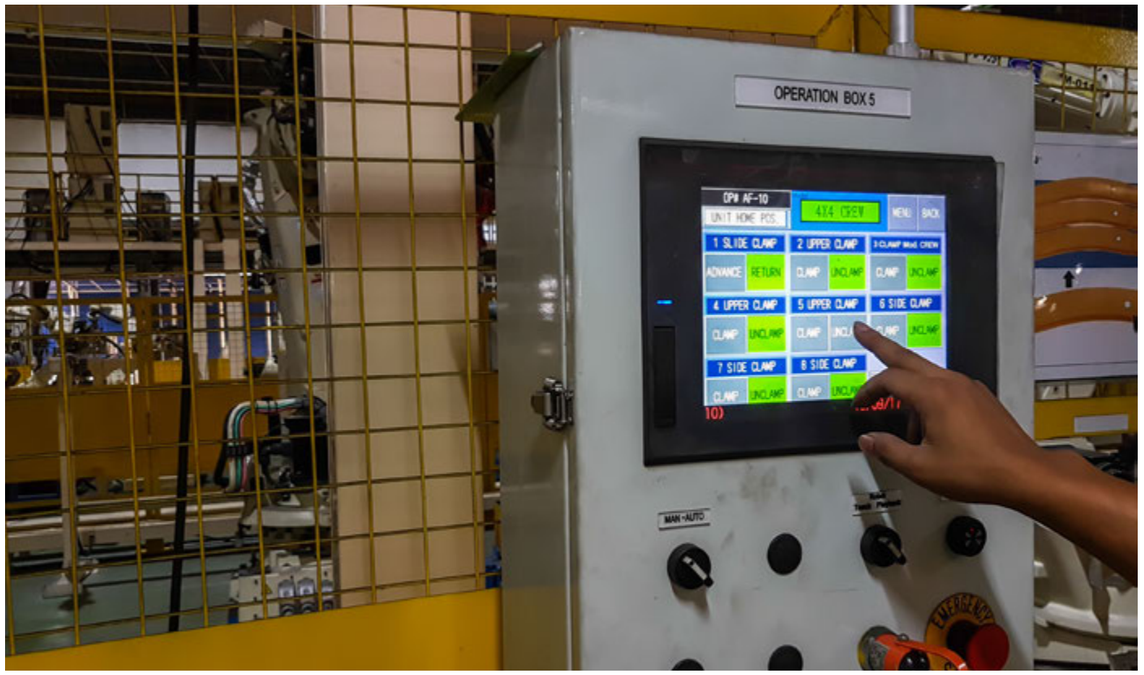
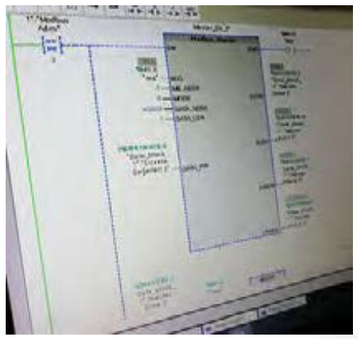
RST MEASUREMENT CONTROL TECHNOLOGIES



Suitable for Your Processes: Technical Service, Software, and Automation Service Provided

- PLC Programming
- SCADA System Development
- HMI (Touch Screen) Software Development
- Customized Panel Design
- System Commissioning Services

We specialize in transferring data from a range of industrial products, including Flowmeters, Level measurement instruments, Pressure measurement instruments, Humidity–Temperature measurement transmitters, and PH meters, to touch screen or computer environments. Our services include defining alarms based on received data, controlling external devices such as pumps, fans, and motors, and responding to customer demands. We offer turnkey solutions encompassing system creation, operation, and commissioning, following appropriate processes



SQR CERTIFICATION

Sertifika CERTIFICATE

RST ÖLÇÜ KONTROL ENSTRÜMANLARI VE OTOMASYON HİZMETLERİ SANAYİ TİCARET LİMİTED ŞİRKETİ

MİMAR SİNAN MAH. ATA CAD. NO:27 İÇ KAPI NO:1 SİLİVRİ/İSTANBUL/TÜRKİYE

ISO 9001:2015

Kapsam/Scope

HAVA, SIVI VE GAZLARIN AKIŞ, SEVİYE, BASINÇ VEYA DİĞER DEĞİŞKENLERİN ÖLÇME VE KONTROL ETME İÇİN KULLANILAN ALETLERİN İMALATI (HİDROMETRE, DEBİMETRE, BAROMETRE, HİGROMETRE VB.)

HAVA, SIVI VE GAZLARIN AKIŞ, SEVİYE, BASINÇ VEYA DİĞER DEĞİŞKENLERİN ÖLÇME VE KONTROL ETME İÇİN KULLANILAN ALETLERİN İMALATI (HİDROMETRE, DEBİMETRE, BAROMETRE, HİGROMETRE VB.)

IAF :19

Bu sertifika ile yukarıda adı geçen kuruluşun Kalite Yönetim Sistemi gerekliliklerini karşıladığı tasdik olunur.

This is to certify that the above mentioned company meets the requirement of Quality Management System.

Sertifika No / Certification Number	: MTS-46709
İlk Kayıt Tarihi / Date of Initial Reg.	: 7.10.2025
Basım Tarihi / Date of Certificate	: 7.10.2025
Geçerlilik Tarihi / Date of Expiry	: 6.10.2026
Revizyon / Revision	: 000

Bu sertifika kuruluşun belgelendirme şartlarına uyması ve yıldız en az 1 kez yapılacak olan gözetim denetimlerini başarılı geçmesi halinde üç yıllık sertifikasyon periyodu bitiş tarihine kadar geçerlidir.

This certificate is valid until the end of the three-year certification period if the organization complies with the certification requirements and the surveillance audits to be carried out at least once a year are completed successfully.

Genel Müdür / General Manager

IAF IAS

SIGMACERT DOO
Gavra Vukovića BB Podgorica, Montenegro
belgelendirme@sigmacert.com.tr +38268118852
YS.FR.129 Rev.04 02.05.2025

SQR CERTIFICATION

Sertifika CERTIFICATE

RST ÖLÇÜ KONTROL ENSTRÜMANLARI VE OTOMASYON HİZMETLERİ SANAYİ TİCARET LİMİTED ŞİRKETİ

MİMAR SİNAN MAH. ATA CAD. NO:27 İÇ KAPI NO:1 SİLİVRİ/İSTANBUL/TÜRKİYE

ISO 45001:2018

Kapsam/Scope

HAVA, SIVI VE GAZLARIN AKIŞ, SEVİYE, BASINÇ VEYA DİĞER DEĞİŞKENLERİN ÖLÇME VE KONTROL ETME İÇİN KULLANILAN ALETLERİN İMALATI (HİDROMETRE, DEBİMETRE, BAROMETRE, HİGROMETRE VB.)

HAVA, SIVI VE GAZLARIN AKIŞ, SEVİYE, BASINÇ VEYA DİĞER DEĞİŞKENLERİN ÖLÇME VE KONTROL ETME İÇİN KULLANILAN ALETLERİN İMALATI (HİDROMETRE, DEBİMETRE, BAROMETRE, HİGROMETRE VB.)

IAF :19

Bu sertifika ile yukarıda adı geçen kuruluşun İş Sağlığı ve Güvenliği Yönetim Sistemi gerekliliklerini karşıladığı tasdik olunur.

This is to certify that the above mentioned company meets the requirement of Occupational Health & Safety Management System.

Sertifika No / Certification Number	: MTS-46711
İlk Kayıt Tarihi / Date of Initial Reg.	: 7.10.2025
Basım Tarihi / Date of Certificate	: 7.10.2025
Geçerlilik Tarihi / Date of Expiry	: 6.10.2026
Revizyon / Revision	: 000

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Genel Müdür / General Manager

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belgelendirme@sigmacert.com.tr +38268118852
YS.FR.129 Rev.04 02.05.2025

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MİMAR SİNAN MAH. ATA CAD. NO:27 İÇ KAPI NO:1 SİLİVRİ/İSTANBUL/TÜRKİYE

ISO 45001:2018

Kapsam/Scope

HAVA, SIVI VE GAZLARIN AKIŞ, SEVİYE, BASINÇ VEYA DİĞER DEĞİŞKENLERİN ÖLÇME VE KONTROL ETME İÇİN KULLANILAN ALETLERİN İMALATI (HİDROMETRE, DEBİMETRE, BAROMETRE, HİGROMETRE VB.)

HAVA, SIVI VE GAZLARIN AKIŞ, SEVİYE, BASINÇ VEYA DİĞER DEĞİŞKENLERİN ÖLÇME VE KONTROL ETME İÇİN KULLANILAN ALETLERİN İMALATI (HİDROMETRE, DEBİMETRE, BAROMETRE, HİGROMETRE VB.)

IAF :19

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TÜRK STANDARDLARI ENSTİTÜSÜ

TSE-HYB

HİZMET YETERLİLİK BELGESİ

Belge No	
İlk Veriliş Tarihi	:14.07.2014
Son Geçerlilik Tarihi	:14.07.2026
Firmanın Adı	**RST Ölçü Kontrol Enstrümanları ve Otomasyon Hizmetleri San. Tic. Ltd. Şti.**
Firmanın Adresi	Mimarsinan Mah. Ata cad. No:27, 34570 Silivri İstanbul /TÜRKİYE
Hizmet Yeri Adresi	Mimarsinan Mah. Ata cad. No:27, 34570 Silivri İstanbul /TÜRKİYE
Sicil No	:566852

Verilen Hizmetin Kapsamı

1. TS 13201 (23.10.2015) YETKİLİ SERVİSLER- ENDÜSTRİYEL AMAÇLI DENEY VE ÖLÇÜ ALETLERİ - KURALLAR STANDARDINA UYGUN HİZMET VEREN (LAZERİŞINI İLE ÖLÇÜM YAPAN CİHAZLAR HARİÇ)

RST Ölçü Kontrol Enstrümanları ve Otomasyon Hizmetleri San. Tic. Ltd. Şti.

Türk Standardları Enstitüsü Hizmet Belgelendirme Yönergesine göre yapılan inceleme neticesinde; Firma işyerinin, kapsamında belirtilen, hizmetler için yeterli olduğu tespit edilerek bu belge verilmiştir.

AVRUPA YAKASI HİZMET YERİ BELGELENDİRME MÜDÜRÜ V.

Bu belge hiçbir suretle tahrif edilemez, kısmen veya okunmasını zorlaştıracak şekilde çoğaltılamaz, kazıntı ve silinti yapılamaz.

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