

ELG magnetic by-pass level indicators are assembled onto external or upper surfaces of tank, boiler and storage tanks. It enables to see level easily and with high accuracy. It is more economic than other measurement systems with mechanical method and it provides advantages for user with various assembly forms together with easy of assembly and maintenance.

Working Principle :

Liquid levels are the same in the main body of tank and level indicator in accordance with the principle of computational fluid. Float, which is available in the body and provides its rotation. Liquid level can be monitored easily from outside by means of two faces of flaps with different colors. Each indicator is delivered to customer after they are undergone from pressure, impermeability and final control tests after the production.



ELG

MAGNETIC BY-PASS LEVEL GAUGE

- ELG** (Max. 16 bar / 25 bar)
- ELGs** (Max. 16 bar)
- ELGp** (Max. 5 bar)
- ELGk** (Max. 40 bar)
- ELGy** (Max. 100 bar)
- ELGu** (Max. 16 bar)
- ELGh** (Max. 25 bar)

Advantages :

- * For visual monitoring and control
- * The analog signal can be output
- * Different connection options
- * Different material options
- * Local digital display



Technical Specifications :

Working Pressure	6 bar, 16 bar, 25 bar, 40 bar, 100 bar
Working Temperature	0...(+) 60 °C, (-)40...(+) 180 °C, (-)40...(+) 360 °C, Opt. 400 °C
Working Intensity	Min.0,50 gr/cm ³ ... Max.2,00 g/cm ³
Between Two Flange (CC)mm	Min.200 mm....Max.6000 mm (One Piece) Max. 12 m. It can be manufactured in parts.
Body	Ø 38 x 1,5 mm PN 16 Ø 60,3 x 1,5 mm PN 16 / 25 Ø 60,3 x 2 mm PN 40 Ø 63,5 x 3 mm PN 100 Custom size can be made. Ø 70x2 mm PN 25 Heating Jacket
Bottom Upper Pipe Flange	Ø115 (Std) , Ø140, Ø150, Ø165 mm PN 16 / 25 , 150/300 LBS Ø115 (Std) , Ø140, Ø150, Ø165 mm PN 40,1600 LBS Ø140, Ø170 (Std) , Ø195 PN 100, 900/1500 LBS
Process Connection	Threaded..1/2"BSP (Std.) , 3/4"BSP , 1"BSP Flanged, EN 1092-1...DN 20...DN 100 PN 16 / 25 / 40 / 100 bar ANSI B16.5...3/4"...4" 150/300/600/900/1500 LBS JIS (RTJ)...3/4"...4" 150/300/600/900/1500 LBS
Side Pipe	3/4"BSP (Std.)
Evacuation Record	1/2"BSP (Std.) , 3/4"BSP , 1"BSP
Bolt / Nut / Washer	M12 , M16 Opt. Measurement can be made.
Material	Body 304 St.St. (Std.) Opt. 316 St.St. , Titanium , PVC Side Pipe 304 St.St. (Std.) Opt. 316 St.St. , Titanium , PVC Connection 304 St.St. (Std.) Opt. 316 St.St. , Titanium , PVC Float 304 St.St. (Std.) Opt. 316 St.St. , Titanium , PVC Evacuation Record 304 St.St. (Std.) Opt. 316 St.St. , Titanium , PVC Bolt-+Nut+Washer 304 St.St. (Std.) Opt. 316 St.St. , Titanium , PVC Flap Plastic (Max.180 °C) , Ceramic (Max. 350 °C) Glass(180°C) Flap Housing 304 St.St. (Std.) Flap Protection Pleksiglass , Glass Scale 304 St.St. Gasket Klingrid, PTFE, Graphite, Silicon,Viton
Optional	Magnetic Contact Analog Output Scale Drain Valve Liquid Level Relay Local Digital Display Heating Jacket, Special Design

Product Label :

Manufacturer Brand

Approval Sign



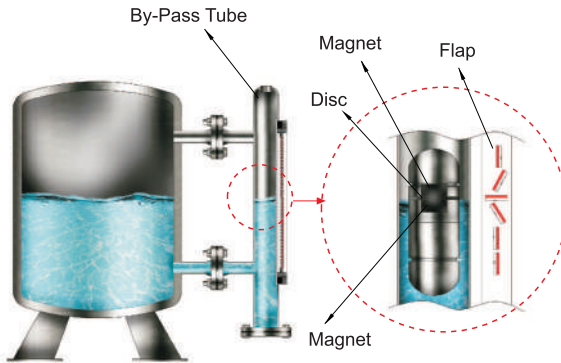
Model

Working Conditions

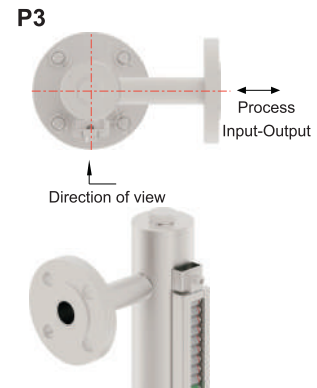
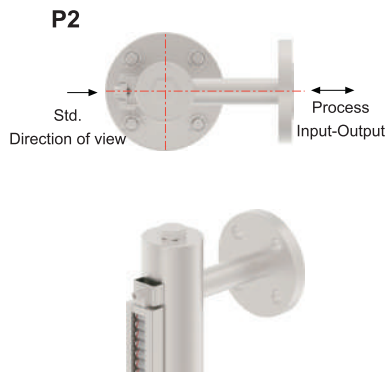
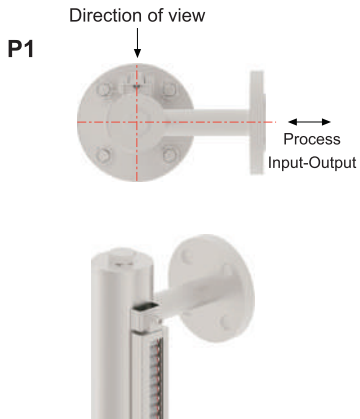
Serial Number

Warning Symbols

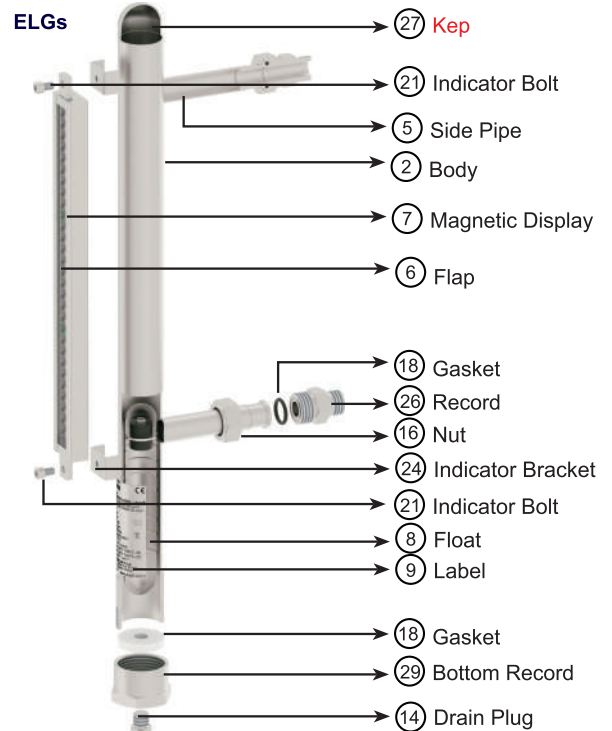
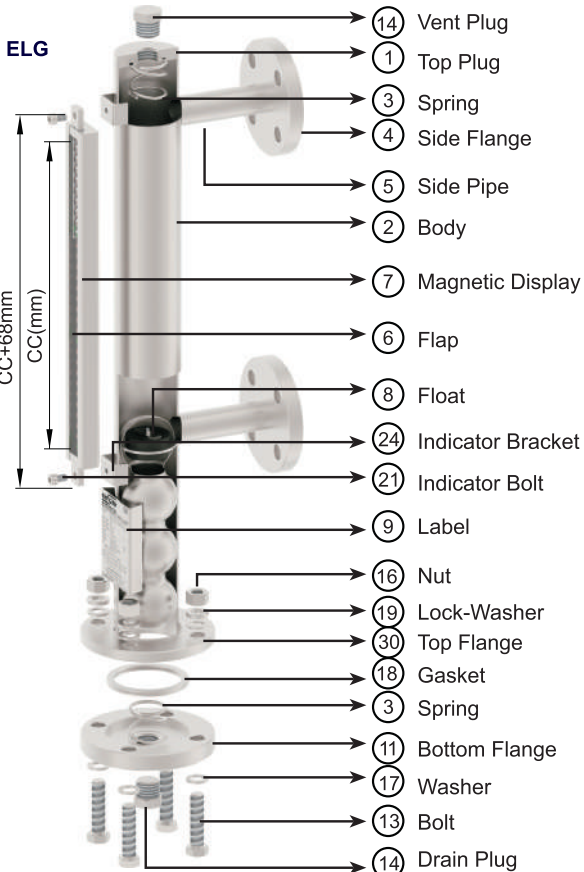
Manufacturer Website



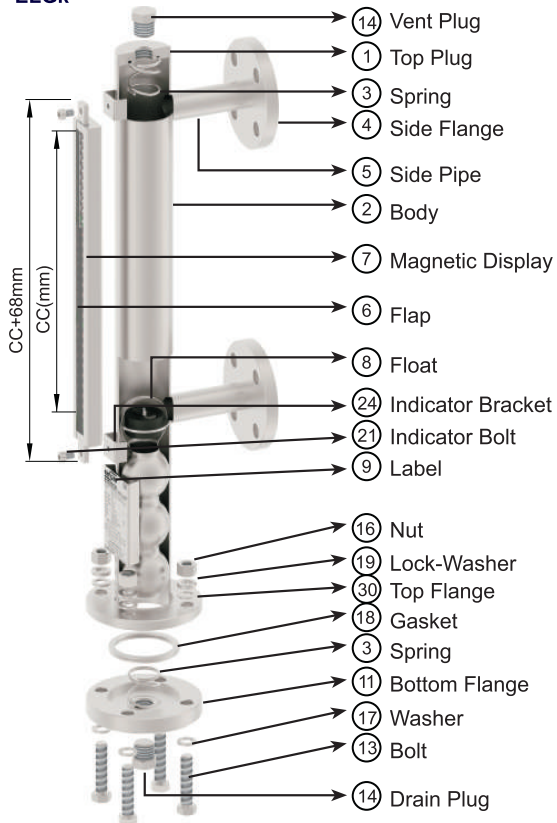
Indicator Place :



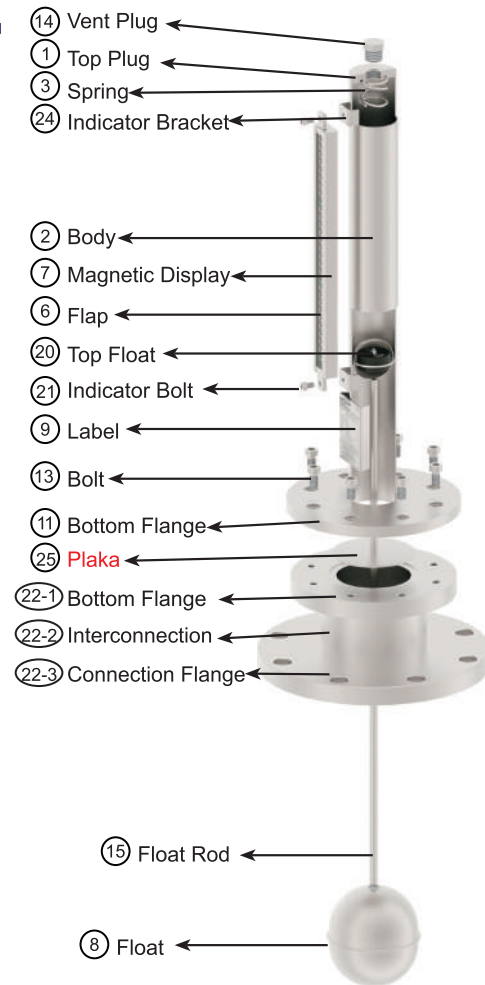
Models :



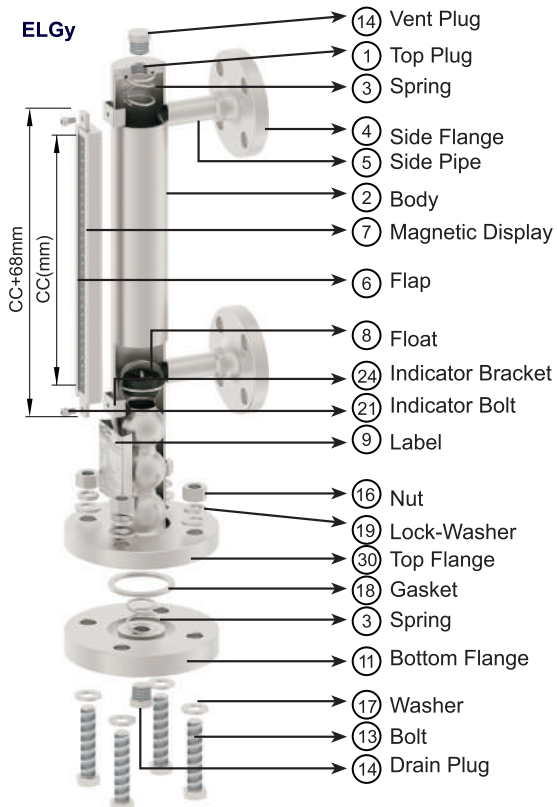
ELGk



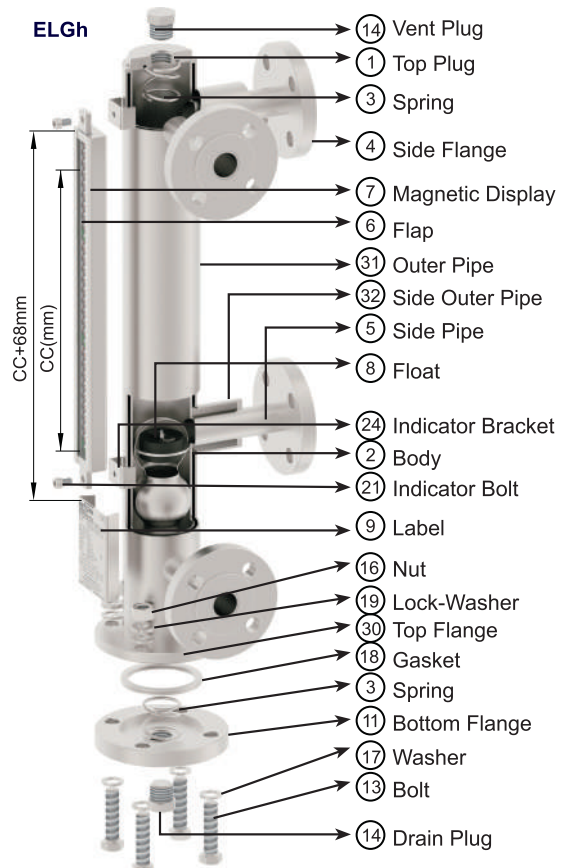
ELGu



ELGy

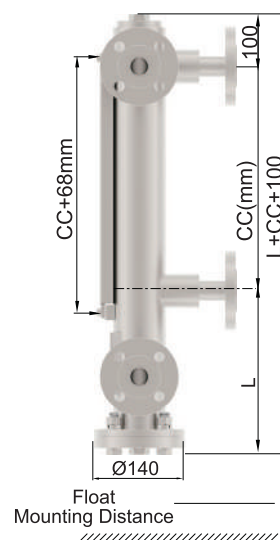
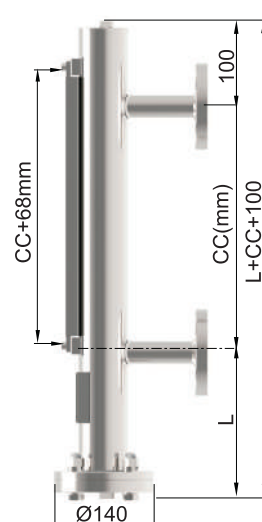
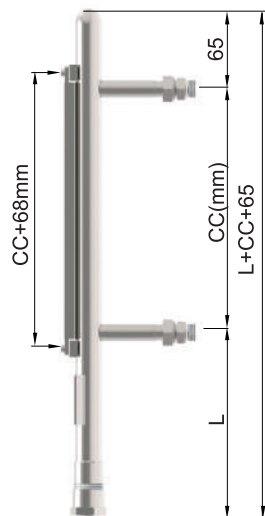
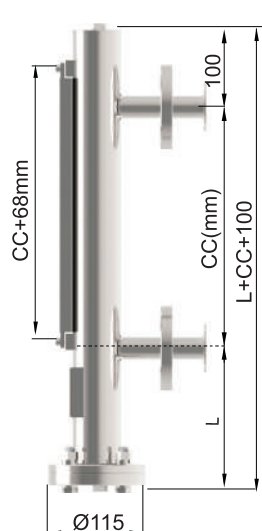


ELGh

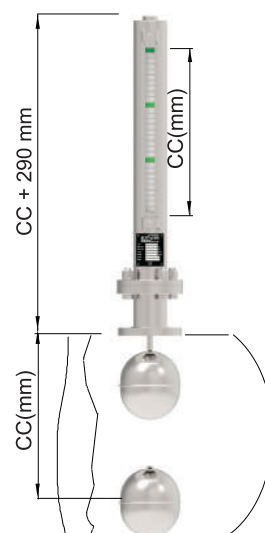
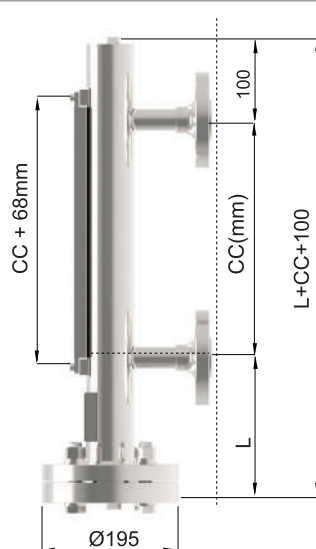
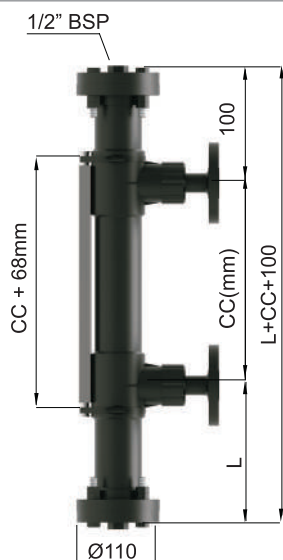


SAMPLE MODELS :

	ELG	ELGs	ELGk	ELGh
Body	Ø 60.3 x 1.5 mm , 304 Stainless Steel	Ø 38 x 1.5 mm , 304 Stainless Steel	Ø 60.3 x 2 mm , 304 Stainless Steel	
Display	Standard display ELG-G	Standard display ELG-G	Standard display ELG-G	
Bottom Flange	DN 32, PN 16 , 304 Stainless Steel	Thread 16 , 304 Stainless Steel	DN 32, PN 40 - , 304 Stainless Steel	
Process Connection	DN 20, PN 16 , Coated Carbon Steel	3/4"BSP Male or female Stainless Steel	DN20, PN40 (Std.)	
Pressure	Max.16 bar , Opt. 25 bar	Max.16 bar	Max.40 bar	
Temperature	Max. 180 °C , Opt. 360 °C , 400 °C	Max.180 °C , Opt. 360 °C	Max.180 °C , Opt. 360 °C	
Float Type	M51 , 1.10 g/cm ³ Selectable from Table.	M11A, 1.00 g/cm ³ Selectable from Table.	M51 , 1.10 g/cm ³ Selectable from Table.	



	ELGp	ELGy	ELGu
Body	Ø 63 x 3 mm , PVC, Opt.PVDF	Ø 60.3 x 2.6 or 65 x 3.5 mm 304 St. St.	Ø 60.3 x 2 mm , 304 St. St.
Display	Standard display ELG-G	Standard display ELG-G	Standard display ELG-G
Bottom Flange	DN 32, PN 6 PVC, Opt.PVDF	DN 50, PN 100 (Std.) , 304 St. St.	DN 32 , PN 16 St. St.
Process Connection	1/2 " BSP Thread, PVC Flange Opt.PVDF	DN 25, PN 100 St. St.	DN 25, PN 16 St. St.
Pressure	Max. 6 bar	Max.100 bar	Max.16 bar
Temperature	PVC Max.60°C , PVDF Max.120°C	Max. 180 °C , Opt. 360 °C	Max.180 °C , Opt. 360 °C
Float Type	P11A Selectable from Table.	M53H Selectable from Table.	M0A Selectable from Table.



Connection Forms :

Top Body Connection:

U1



U3



U4



U5



U6



U2 (Std.)



Process Connection :

Y2



Y3



Y4



Y5



Y6



Bottom Body Connection:

A1 (Std.)



A2



A3

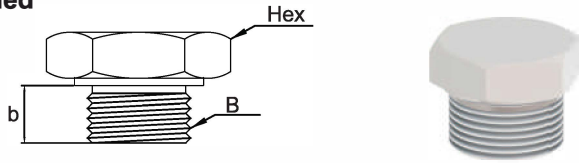


A4

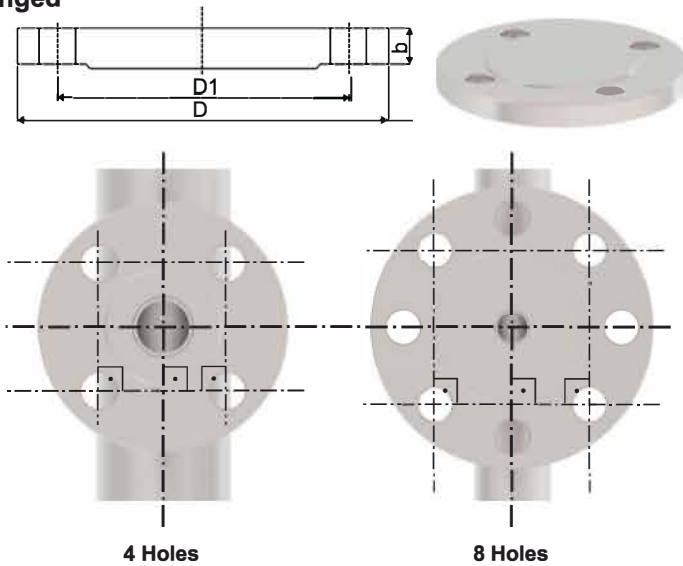


Mechanical Connections:

Threaded



Flanged



ISO228-1

Order Code	Size
0005	3/4" BSP
0006	1" BSP
0008	1 1/2" BSP
0009	2" BSP
0204	3/4" NPT
0205	1" NPT
0207	1 1/2" NPT
0208	2" NPT

ANSI B 16.5

Order Code	Size	Pressure Class
1001	3/4"	150 Lb
1002	1"	
1004	1 1/2"	Opt.
1005	2"	300 LB
1006	2 1/2"	600 LB
1007	3"	900 LB
1008	4"	
1010	6"	
1011	8"	

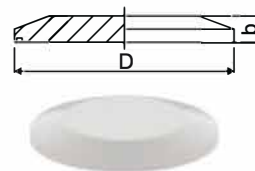
ISO1092-1

Order Code	Size	Pressure Class
0501	DN 20	PN 16
0502	DN 25	
0503	DN 32	
0504	DN 40	Opt.
0505	DN 50	PN 25
0506	DN 65	PN 40
0507	DN 80	PN 100
0508	DN 100	
0510	DN 150	
0510	DN 200	

JIS B 2220

Order Code	Size	Pressure Class
2501	3/4"	5K
2502	1"	
2504	1 1/2"	10K
2505	2"	
2506	2 1/2"	16K
2507	3"	30K
2508	4"	40K
2510	6"	
2511	8"	63K

Clamp



ISO2852

Order Code	Size
1501	DN 32
1502	DN 50
1503	DN 65

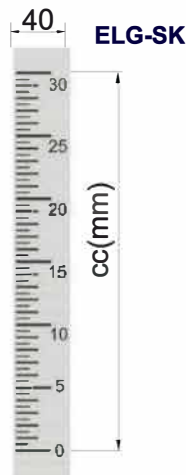
LEVEL CONTROL DEVICE

Power Supply	220 VAC , 2.8 VA
Output	2 pcs. 5 A / 250 VAC (Start - Stop)
Working Temperature	(-) 20 °C / (+) 70 °C
Dimension	72 mm x 72 mm
Input	Contact information, coming from ELG Isolated input-output

SCALE

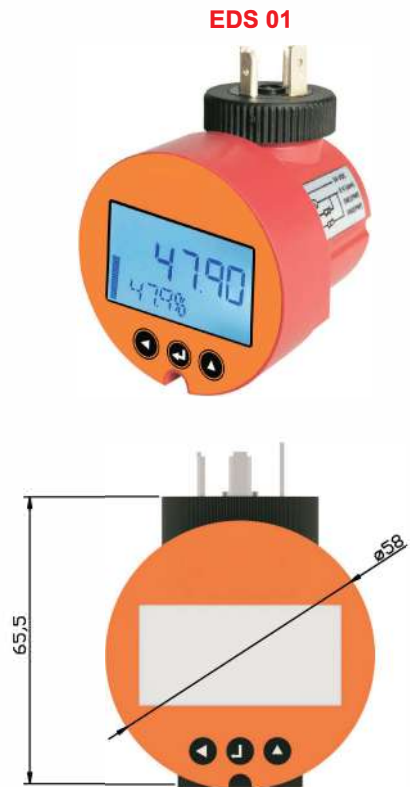
ELG - SK

Material	304 Stainless Steel
Dimension (CC)	40 x 1.5 mm
Working Temperature	(-)20 °C...(+) 350 °C



LOCAL DIGITAL DISPLAY

Output	4-20 mA Two Wire
Power Supply	24 VDC , (Supplied by current loop)
Output	Two independent PNP
Switching Performance	Max. 120 mA , Short circuit protection
Switching Frequency	Max. 10 Hz.
Delay Time	0-255 ms
Switching Cycle	> 100 x 10 ⁶
Repeatability	≤ ± 0,1 % Full Scale
Electrical Protection	IP 65 , Reverse polarity protection
Display	Double 5 digit / 8 digit 7 segment / 16 segment LCD
Scale Range	(-) 19999 ... (+) 99999
Accuracy	% 0,1 ± 1 digit
Material of Housing	PA 6.6 , Polycarbonate Opt. Aluminum Double Cell Housing
Mechanical Stabillite	Vibration: 59 RMS (20-200 Hz) Anti- Shock : 100 g / 11 ms
Working and Ambient Temperature	(-) 25 °C ... (+) 80 °C
Ambient Humidity	% 20 RH... 80 RH



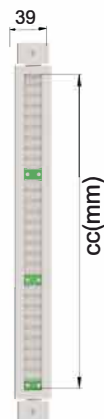
DISPLAY

	ELG - G	ELG - HT	ELG - F
Case	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Flaps	Plastic	Ceramic	Aluminium
Colour	Red / White	Red / White	Red
Max. Temperature	(-) 20 °C...(+) 180 °C	Optional (-)20 °C...(+) 350 °C	(-) 20 °C...(+) 180 °C
Min. Lenght	50 mm Remote monitoring is provided easily by using a different color in each 100mm.	50 mm also using a different color for every 100 mmIt provided remote monitoring easy.	Min.200 mm
Flap Protection	Plexiglass	Glass	Glass

ELG - G



ELG - HT



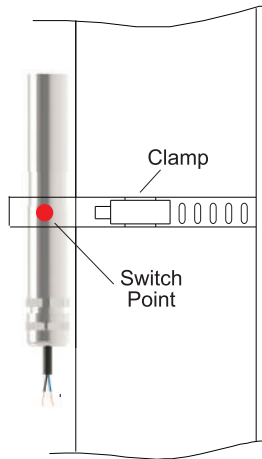
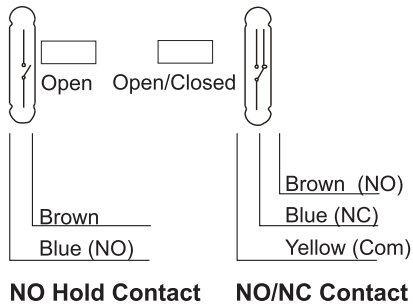
ELG - F



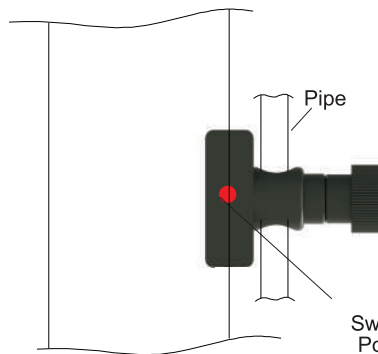
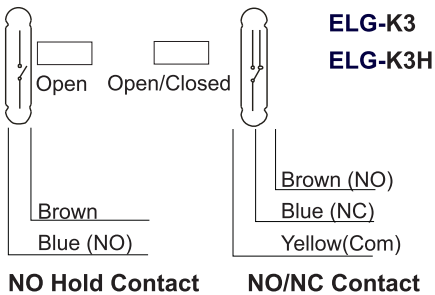
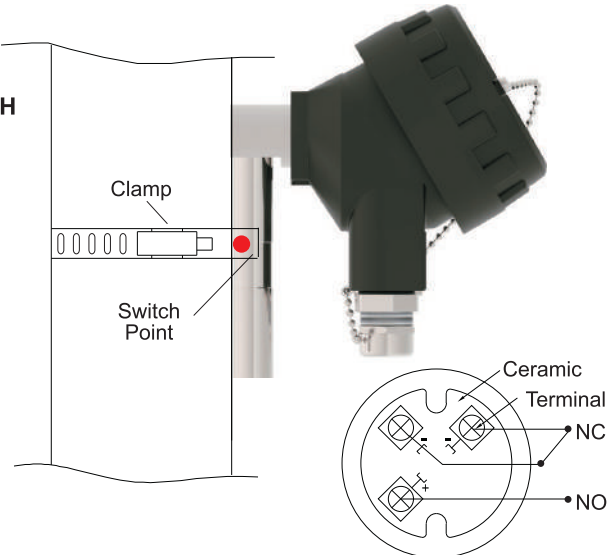
All dimensions are given in mm.

MAGNETIC CONTACT

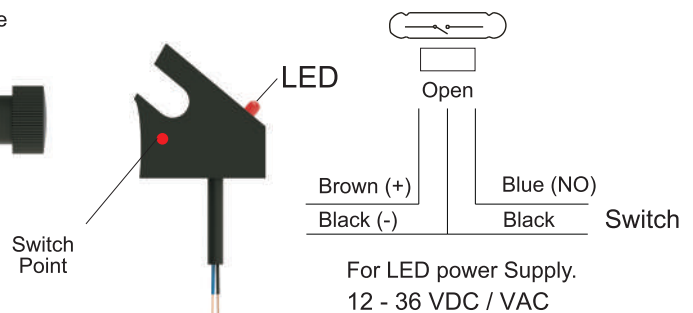
	ELG-K1H	ELG-K1	ELG-K2	ELG-K3H	ELG-K3	ELG-K4	ELG-K4H
Contact Element	Reed Sensors SPST-NO Hold Type	Reed Sensors SPDT-NO/NC	Reed Sensors SPST-NO	Reed Sensors SPST-NO Hold Type	Reed Sensors SPDT-NO/NC	Reed Sensors SPDT-NO/NC	Reed Sensors SPST-NO Hold Type
*Contact Current	1,5 A	1 A	0,7 A	1,5 A	1 A	1 A	1,5 A
*Max. Contact Power	20 W / VA	20 W / VA	10 W / VA	20 W / VA	20 W / VA	20 W / VA	20 W / VA
*Max.Switching Voltage	200 VDC 250 VAC	150 VDC 140 VAC	150 VDC 120 VAC	200 VDC 250 VAC	150 VDC 140 VAC	150 VDC 140 VAC	200 VDC 250 VAC
Case Material	Stainless Steel		Plastic		Aluminium		
Protection Class	IP 68 , PG9 Socket		IP 68		IP 66		
Cable Length	1 m. Silicon Cable		1 m. Cable		-		
Clamp Material	304 Stainless Steel		304 Stainless Steel		304 Stainless Steel		
Operation Temperature	(-) 20 °C...(+) 180 °C Attached to the body with clamp.		(-) 20 °C...(+) 180 °C It is attached to the body with a stainless rod.		(-) 40°C...(+)180 °C Attached to the body with clamp. Opt. EX-Version		



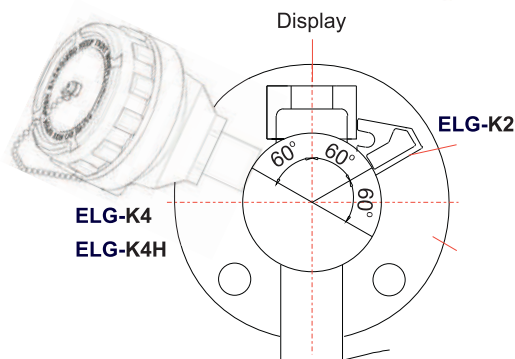
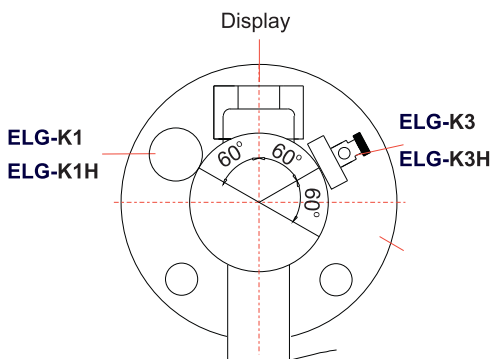
**ELG-K4
ELG-K4H**



ELG-K2



NO Contact



TRANSMITTER

	ELG-T8 / ELG-T0	ELG-T1	ELG-T2	ELG-T3
Tube Material	304 Stainless Steel		304 Stainless Steel	304 Stainless Steel
MeasureDistance	15 mm , 10 mm or 5 mm		15 mm , 10 mm or 5 mm	15 mm , 10 mm or 5 mm
Power Supply	10...36 VDC		10...36 VDC	10...36 VDC
Operation Temp.	(-) 20 °C...(+) 150 °C		(-) 10 °C...(+) 150 °C	(-) 40 °C...(+) 150 °C
Output	2 wire 4-20 mA, 3 wire 4-20 mA, 0-20 mA, 20-4 mA, 20-0 mA, 0-10 V, 10-0 V, 1-5 V, 5-1 V, 0-5 V, 5-0 V		2 wire 4-20 mA, 3 wire 4-20 mA, 0-20 mA, 20-4 mA, 20-0 mA, 0-10 V, 10-0 V, 1-5 V, 5-1 V, 0-5 V, 5-0 V	2 wire 4-20 mA
Contact	---		---	2 x PNP - NA
Electrical Connect.	Terminal	PG7 Socket	DIN 43650C Socket	Terminal
Optional	Ex Version		Local Digital Display, EDS 01	-EX-Version
Mechanical Conne.	Attached to the body with clamp.			

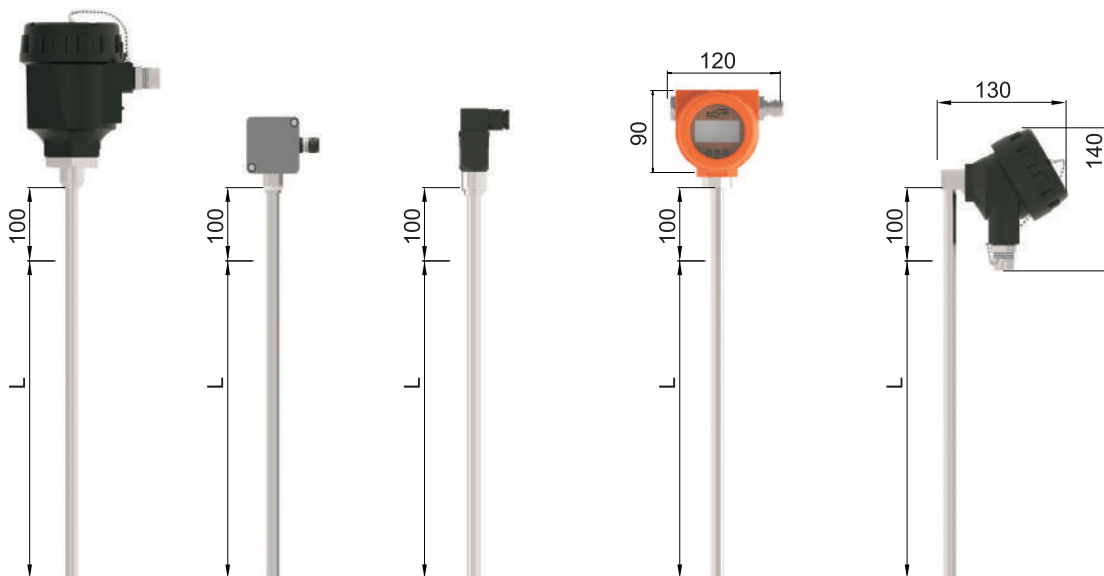
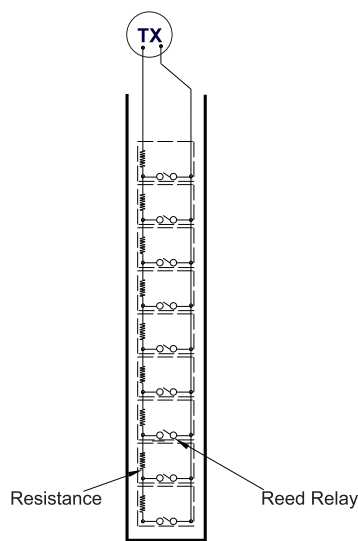
ELG-T0

ELG-T1

ELG-T2

ELG-T3

ELG-T8



MAGNETOSTRICTIVE TRANSMITTER

ELG-T9

Housing	Aluminium
Resolution	16 bit DAC output $\pm 0.02\%$ of full measurement (Min. 100 μm)
Repeatability	$\pm 0.005\%$ of full measurement
Besleme	24 VDC $\pm 10\%$
Operation Temperature	(-) 20 °C ... (+) 150 °C
Output	2 wire 4-20 mA
Electrical connection	M12 - 5 Pin Socket
Optional	Ex Version



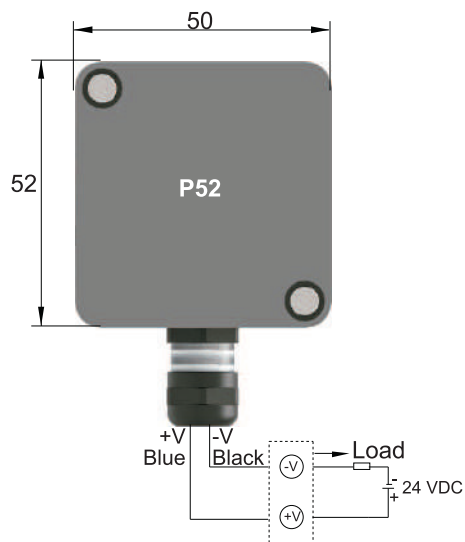
CAPACITIVE TRANSMITTER

	ELG-T4	ELG-T5	ELG-T6	ELG-T7
Tube	AISI 304 Stainless Steel		AISI 304 Stainless Steel	
Measure Distance	$\pm \% 0,5$	$\pm \% 0,8$	$\pm \% 0,5$	$\pm \% 0,8$
	For conductive liquids	For Low Conductive	For conductive liquids	For Low Conductive
Power Supply	10...36 VDC		10...36 VDC	
Operation Temperature	(-) 40 °C...(+) 150 °C		(-) 40 °C...(+) 150 °C	
Output	2 wire 4-20 mA, 3 wire 4-20 mA, 0-20 mA, 3 wire 0-10 V		2 wire 4-20 mA, -	
Contact	-		(With Display) 2 x PNP - NA	
Electrical Connect.	Terminal		Terminal	
Measurement Method	Capacitive		Capacitive	

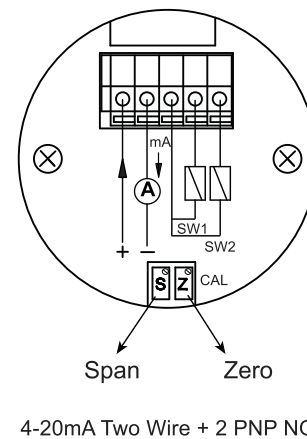
Note: When Capacitive Transmitter is considered, double body model should be selected.



Electrical connection: For ELG-T1

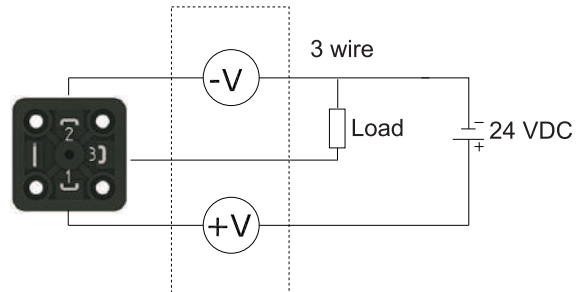
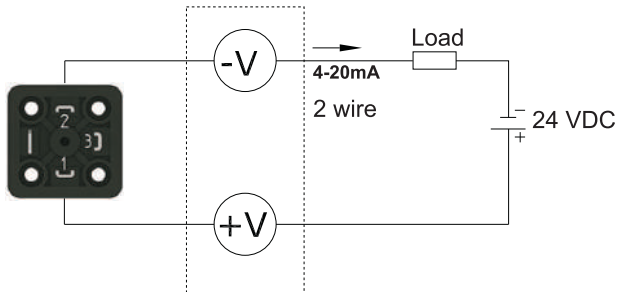


For T3 , T6 , T7

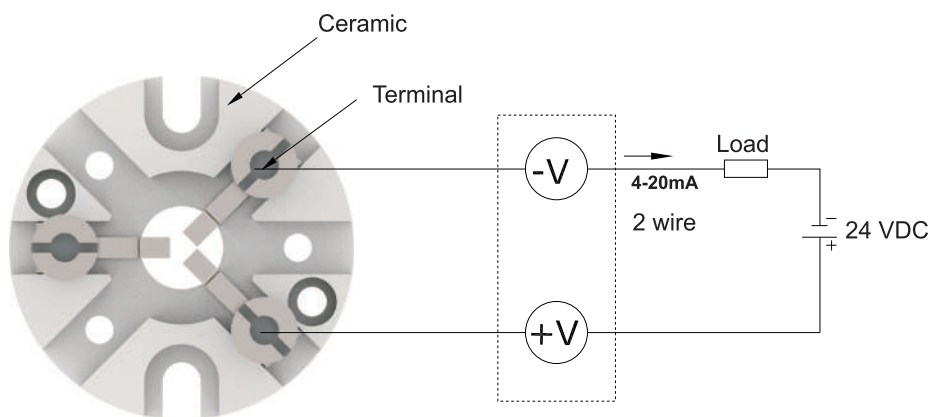


Electrical connection:

For ELG-T2



For ELG-T8

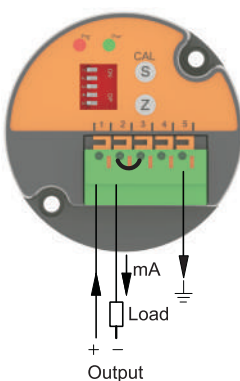


For ELG-T9

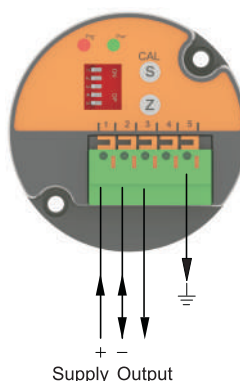


For ELG-T4 , ELG-T5 , ELG-T6 and ELG-T7

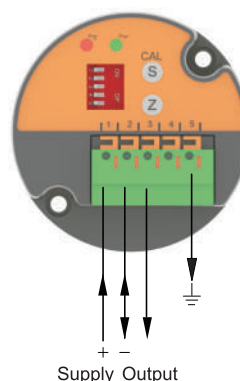
4-20mA Two Wire



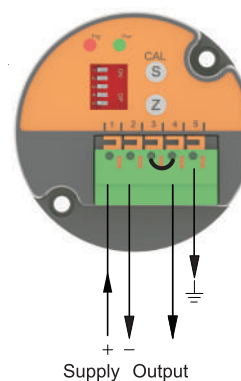
4-20mA Three Wire



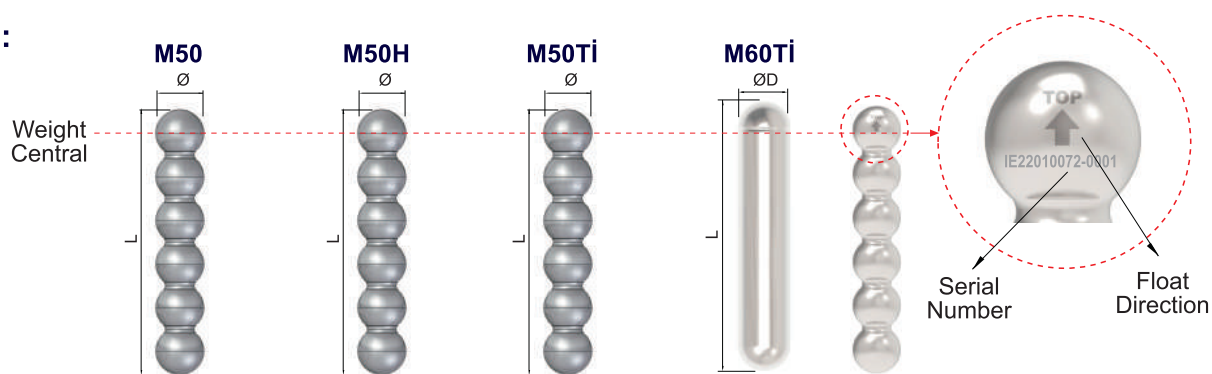
0-20mA Three Wire



0-10V Three Wire



FLOAT :



Order Code	Model	Density	Dim. (Ø*L) (mm)	Test Pressure	Working Pressure	Temperature	Number of Ball	Material
0500	M50	1.20 g/cm³	Ø 52*150	60 bar	40 bar	200 °C	3	AISI 316 St.St.
0501	M51	1.00 g/cm³	Ø 52*200	60 bar	40 bar	200 °C	4	AISI 316 St.St.
0502	M52	0.90 g/cm³	Ø 52*250	60 bar	40 bar	200 °C	5	AISI 316 St.St.
0503	M53	0.80 g/cm³	Ø 52*300	60 bar	40 bar	200 °C	6	AISI 316 St.St.
0504	M54	0.75 g/cm³	Ø 52*350	60 bar	40 bar	200 °C	7	AISI 316 St.St.
0505	M55	0.60 g/cm³	Ø 52*400	60 bar	40 bar	200 °C	8	AISI 316 St.St.
0530	M50H	1.35 g/cm³	Ø 52*150	100 bar	60 bar	200 °C	3	AISI 316 St.St.
0531	M51H	1.10 g/cm³	Ø 52*200	100 bar	60 bar	200 °C	4	AISI 316 St.St.
0532	M52H	1.00 g/cm³	Ø 52*250	100 bar	60 bar	200 °C	5	AISI 316 St.St.
0533	M53H	0.95 g/cm³	Ø 52*300	100 bar	60 bar	200 °C	6	AISI 316 St.St.
0534	M54H	0.90 g/cm³	Ø 52*350	100 bar	60 bar	200 °C	7	AISI 316 St.St.
0535	M55H	0.85 g/cm³	Ø 52*400	100 bar	60 bar	200 °C	8	AISI 316 St.St.
0560	M51H-100bar	1.20 g/cm³	Ø 52*250	150 bar	100 bar	200 °C	5	AISI 316 St.St.
0561	M52H-100bar	1.10 g/cm³	Ø 52*300	150 bar	100 bar	200 °C	6	AISI 316 St.St.
0562	M53H-100bar	1.00 g/cm³	Ø 52*350	150 bar	100 bar	200 °C	7	AISI 316 St.St.
0563	M54H-100bar	0.95 g/cm³	Ø 52*400	150 bar	100 bar	200 °C	8	AISI 316 St.St.
0564	M55H-100bar	0.92 g/cm³	Ø 52*450	150 bar	100 bar	200 °C	9	AISI 316 St.St.
0600	M50Ti	1.10 g/cm³	52*150	150 bar	100 bar	200 °C	3	Titanium (Grade2)
0601	M51Ti	1.00 g/cm³	Ø 52*200	150 bar	100 bar	200 °C	4	Titanium (Grade2)
0602	M52Ti	0.80 g/cm³	Ø 52*250	150 bar	100 bar	200 °C	5	Titanium (Grade2)
0603	M53Ti	0.75 g/cm³	Ø 52*300	150 bar	100 bar	200 °C	6	Titanium (Grade2)
0604	M54Ti	0.65 g/cm³	Ø 52*350	150 bar	100 bar	200 °C	7	Titanium (Grade2)
0605	M55Ti	0.60 g/cm³	Ø 52*400	150 bar	100 bar	200 °C	8	Titanium (Grade2)
0606	M56Ti	0.55 g/cm³	Ø 52*450	150 bar	100 bar	200 °C	9	Titanium (Grade2)
0650	M60Ti	0.80 g/cm³	Ø 50*150	40 bar	25 bar	200 °C	1	Titanium (Grade2)
0651	M61Ti	0.70 g/cm³	Ø 50*200	40 bar	25 bar	200 °C	1	Titanium (Grade2)
0652	M62Ti	0.60 g/cm³	Ø 50*250	40 bar	25 bar	200 °C	1	Titanium (Grade2)
0653	M63Ti	0.50 g/cm³	Ø 50*300	40 bar	25 bar	200 °C	1	Titanium (Grade2)

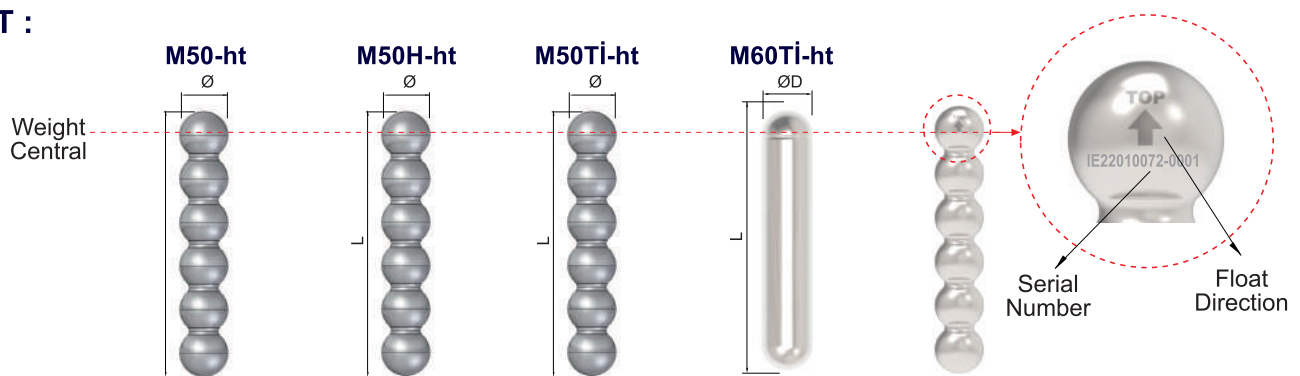
Note 1: Test safety coefficient of all floats is x1.5

For example ; Test pressure of M51H: 60 bar * 1.5 = 100

Note 2 : According to process needs custom-made float can be manufactured by changing sheet thickness.

All dimensions are given in mm.

FLOAT :



Order Code	Model	Density	Dim. (Ø*L) (mm)	Test Pressure	Working Pressure	Temperature	Number of Ball	Material
1000	M50-ht	1.40 g/cm³	Ø 52*150	60 bar	40 bar	350 °C	3	AISI 316 St.St.
1001	M51-ht	1.15 g/cm³	Ø 52*200	60 bar	40 bar	350 °C	4	AISI 316 St.St.
1002	M52-ht	1.00 g/cm³	Ø 52*250	60 bar	40 bar	350 °C	5	AISI 316 St.St.
1003	M53-ht	0.90 g/cm³	Ø 52*300	60 bar	40 bar	350 °C	6	AISI 316 St.St.
1004	M54-ht	0.80 g/cm³	Ø 52*350	60 bar	40 bar	350 °C	7	AISI 316 St.St.
1005	M55-ht	0.70 g/cm³	Ø 52*400	60 bar	40 bar	350 °C	8	AISI 316 St.St.
1006	M50H-ht	1.35 g/cm³	Ø 52*150	100 bar	60 bar	350 °C	3	AISI 316 St.St.
1007	M51H-ht	1.10 g/cm³	Ø 52*200	100 bar	60 bar	350 °C	4	AISI 316 St.St.
1008	M52H-ht	1.00 g/cm³	Ø 52*250	100 bar	60 bar	350 °C	5	AISI 316 St.St.
1009	M53H-ht	0.95 g/cm³	Ø 52*300	100 bar	60 bar	350 °C	6	AISI 316 St.St.
1010	M54H-ht	0.90 g/cm³	Ø 52*350	100 bar	60 bar	350 °C	7	AISI 316 St.St.
1011	M55H-ht	0.85 g/cm³	Ø 52*400	100 bar	60 bar	350 °C	8	AISI 316 St.St.
1012	M51H-100bar-ht	1.20 g/cm³	Ø 52*250	150 bar	100 bar	350 °C	5	AISI 316 St.St.
1013	M52H-100bar-ht	1.10 g/cm³	Ø 52*300	150 bar	100 bar	350 °C	6	AISI 316 St.St.
1014	M53H-100bar-ht	1.00 g/cm³	Ø 52*350	150 bar	100 bar	350 °C	7	AISI 316 St.St.
1015	M54H-100bar-ht	0.95 g/cm³	Ø 52*400	150 bar	100 bar	350 °C	8	AISI 316 St.St.
1016	M55H-100bar-ht	0.92 g/cm³	Ø 52*450	150 bar	100 bar	350 °C	9	AISI 316 St.St.
1017	M50Ti-ht	1.15 g/cm³	Ø 52*150	150 bar	100 bar	350 °C	3	Titanium (Grade2)
1018	M51Ti-ht	1.10 g/cm³	Ø 52*200	150 bar	100 bar	350 °C	4	Titanium (Grade2)
1019	M52Ti-ht	0.85 g/cm³	Ø 52*250	150 bar	100 bar	350 °C	5	Titanium (Grade2)
1020	M53Ti-ht	0.80 g/cm³	Ø 52*300	150 bar	100 bar	350 °C	6	Titanium (Grade2)
1021	M54Ti-ht	0.70 g/cm³	Ø 52*350	150 bar	100 bar	350 °C	7	Titanium (Grade2)
1022	M55Ti-ht	0.65 g/cm³	Ø 52*400	150 bar	100 bar	350 °C	8	Titanium (Grade2)
1023	M56Ti-ht	0.60 g/cm³	Ø 52*450	150 bar	100 bar	350 °C	9	Titanium (Grade2)
1024	M60Ti-ht	0.85 g/cm³	Ø 50*150	40 bar	25 bar	350 °C	1	Titanium (Grade2)
1025	M61Ti-ht	0.75 g/cm³	Ø 50*200	40 bar	25 bar	350 °C	1	Titanium (Grade2)
1026	M62Ti-ht	0.65 g/cm³	Ø 50*250	40 bar	25 bar	350 °C	1	Titanium (Grade2)
1027	M63Ti-ht	0.55 g/cm³	Ø 50*300	40 bar	25 bar	350 °C	1	Titanium (Grade2)

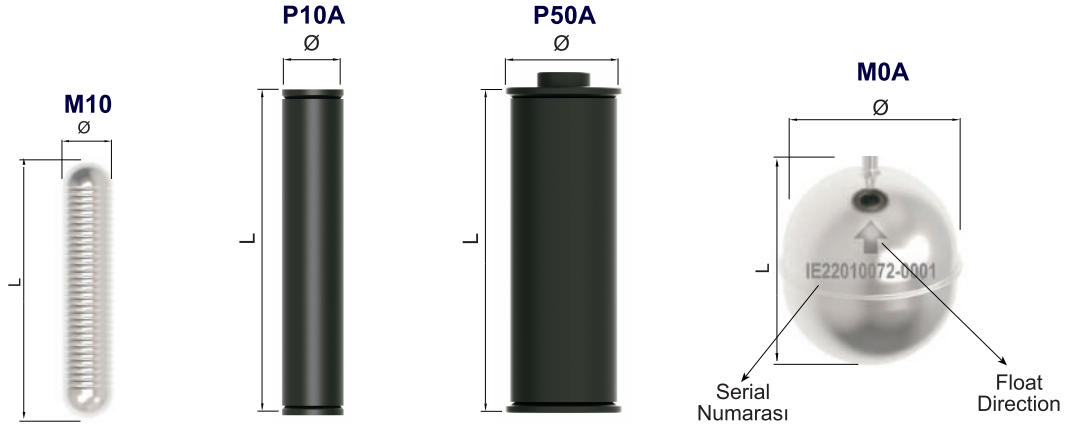
Note 1: Test safety coefficient of all floats is x1.5

For example ; Test pressure of M51H: 60 bar * 1.5 = 100

Note 2 : According to process needs custom-made float can be manufactured by changing sheet thickness.

All dimensions are given in mm.

FLOAT :



Order Code	Model	Density	Dim. (Ø*L) (mm)	Test Pressure	Working Pressure	Temperature	Number of Ball	Material
0680	M10A	1.20 g/cm ³	Ø 32*150	25 bar	16 bar	200 °C	1	AISI 316 St.St.
0681	M11A	1.00 g/cm ³	Ø 32*200	25 bar	16 bar	200 °C	1	AISI 316 St.St.
0682	M12A	0.90 g/cm ³	Ø 32*250	25 bar	16 bar	200 °C	1	AISI 316 St.St.
0683	M13A	0.80 g/cm ³	Ø 32*300	25 bar	16 bar	200 °C	1	AISI 316 St.St.

Order Code	Model	Density	Dim. (Ø*L) (mm)	Test Pressure	Working Pressure	Temperature	Number of Ball	Material
0758	P10A	1.70 g/cm ³	Ø 32*170	5 bar	3 bar	(-) 20...(+) 60 °C	1	PVC
0759	P11A	1.40 g/cm ³	Ø 32*170	5 bar	3 bar	(-) 20...(+) 60 °C	1	PVC
0760	P12A	1.10 g/cm ³	Ø 32*170	5 bar	3 bar	(-) 20...(+) 60 °C	1	PVC
0761	P13A	0.90 g/cm ³	Ø 32*170	5 bar	3 bar	(-) 20...(+) 60 °C	1	PVC
0762	P14A	0.80 g/cm ³	Ø 32*200	5 bar	3 bar	(-) 20...(+) 60 °C	1	PVC
0764	P50A	1.80 g/cm ³	Ø 50*150	5 bar	3 bar	(-) 20...(+) 60 °C	1	PVC
0765	P51A	1.50 g/cm ³	Ø 50*150	5 bar	3 bar	(-) 20...(+) 60 °C	1	PVC
0766	P52A	1.20 g/cm ³	Ø 50*150	5 bar	3 bar	(-) 20...(+) 60 °C	1	PVC
0767	P53A	1.10 g/cm ³	Ø 50*150	5 bar	3 bar	(-) 20...(+) 60 °C	1	PVC
0768	P54A	0.90 g/cm ³	Ø 50*220	5 bar	3 bar	(-) 20...(+) 60 °C	1	PVC
0769	P55A	0.80 g/cm ³	Ø 50*220	5 bar	3 bar	(-) 20...(+) 60 °C	1	PVC
0770	P56A	0.70 g/cm ³	Ø 50*250	5 bar	3 bar	(-) 20...(+) 60 °C	1	PVC
0771	P57A	0.60 g/cm ³	Ø 50*300	5 bar	3 bar	(-) 20...(+) 60 °C	1	PVC

Order Code	Model	Density	Dim. (Ø*L) (mm)	Test Pressure	Working Pressure	Temperature	Number of Ball	Material
0670	M0A	0.98 g/cm ³	Ø 112*148	25 bar	16 bar	200 °C	1	AISI 316 St.St.

All dimensions are given in mm.

1. STEP
1 BODY TYPE

Single Body (Std.).....1	Double Body (Transmitter must also be selected).....2
	Special.....x

2 CERTIFICATE

None.....0	(EN10204-3-1) Material Certification.....1
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3 MODEL ELG

Standard version ELG1	40 bar Pressure Version ELGk.....4
Mini version ELGs2	100 bar Pressure Version ELGy.....5
Plastic version ELGp3	Top Mounting Version ELGu.....6
	25 bar Pressure Jacket Version ELGh.....7

4 MATERIALS (WETTED AREAS)

304 Stainless Steel (Std.)001	PVC.....020
316 Stainless Steel002	PVDF.....064
	Special.....x

5 SEAL MATERIAL

PTFE.....066	Silicon.....083
Rubber NBR.....081	Graphite.....086
Viton.....082	Klingrid (Std.).....087
	Special.....x

6 DISPLAY

Plastic Flap Version (180 °C) (Std.)G	Glass With Float Version (180 °C).....F
High Temperature Ceramic Flap Version (350 °C).....H	Special.....x

7 SITUATION OF DISPLAY

Left Side Assembly Version.....P1	Right Side Assembly Version.....P3
Middle Side Assembly Version (std.).....P2	Special.....x

8 FLOAT

Appropriate Float Model Should Be Stated.....?

9 AXIS DISTANCE (mm) CC

Identification Dimension Between Axes (mm) CC.....?

10a PROCESS CONNECTION / TYPE

Collared Connection.....Y1/	SMS Type Connection.....Y4/
Flanged ConnectionY2/	Female Thread Connection.....Y5/
Threaded Connection.....Y3/	Thread Connection.....Y6/
	Double Tube.....Y7/
	Special.....x

10b PROCESS CONNECTION SIZE

Proper order code should be selected from table.....?	Special.....x
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11 BOTTOM BODY CONNECTION TYPE

Flanged (Std.)A1	With Vertical Flanged.....A3
Neck FlangedA2	With Top Flanged.....A4
	Special.....x

12 TOP BODY CONNECTION / TYPE

Round Version.....U1/	Flanged.....U4
Straight Type.....U2/	With Vertical Flanged.....U5
Flange from the body.....U3/	Two Piece With Flange Connection.....U6
	Special.....x

13 OPTIONAL

None...../ 0	Liquid Level Relay...../ R
Scale...../ SK	Level Control Relay/ SK P1
Heating Jacket (Connection Must Be Specified)./ C	Special.....x

Example

1.Step **ELG 101 - 001 - 087 - G - P1 - 0501 - 500 - Y1 / 0501 - A1 - U2 - /0**

2. STEP

1 TRANSMITTER ELG-T

Aluminium Housing IP66 B20x.....	0	Capacitive - Conductive Liquid	4
Aluminium Housing B035x.....	1	Capacitive - Low Liquid	5
With Socket Version.....	2	Display Capacitive - Conductive Liquid	6
With Display Version.....	3	Display Capacitive - Insulating Liquid	7
Aluminium Housing , IP66 B22x Small Type.....	8	Magnetostriktif.....	9
		ATEX Transmitter	TE

2 CERTIFICATE

None.....	0	(EN10204-3-1) Material Certification.....	1
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3 LENGTH (mm) L

....mm

4 SENSITIVITY RANGE (mm)

15 mm.....	15	1 mm.....	.01
10 mm.....	10	5 mm.....	.05
		Special.....	x

5 OUTPUT

4-20mA Two Wires.....	19	3-180 Ohm.....	.23
4-20mA Three Wires.....	20	10-180 Ohm.....	.24
0-10V Three Wires.....	21	240-33 Ohm.....	.25
0-20mA Three Wires.....	22	Special.....	x

6 OPTIONAL

None.....	/ 0	Local Digital Display.....	/ EDS 01
		Special.....	x

EXAMPLE

2.Step ELG-T1 - 500 - 10 - 19 / 0

Transmitter , 4-20mA , 500mm , 10mm intermittent

3. STEP

1 CONTACT ELG-K

Stainless steel version.....	1	Plastic version.....	.2
Stainless steel hold version.....	1H	Plastic version.....	3
Aluminium housing version.....	4	Plastic hold version.....	3H
Aluminium housing hold version.....	4H	ATEX Certified (imported).....	KE

2 CERTIFICATE

None.....	0	(EN10204-3-1) Material Certification.....	1
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3 CONTACT STRUCTURE

NO Reed Relay.....	06	NO / NC Reed Relay.....	.08
NC Reed Relay.....	07	NO Hold Type Reed Relay.....	.09
		Special.....	x

4 CONTACT NUMBER

..... Piece

5 CABLE LENGTH (m) L

Standard 1 m.	.01
Special.....	x

6 OPTIONAL

None.....	/ 0	Special.....	/ x
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Example

3.Step ELG-K1H - 09 - 2 - 0 / 0

Contact 2 Pcs. Hold Type, 1 m. With Cable

ONLY THE DISPLAY SHOULD BE USED WHEN REQUIRED.

1 DISPLAY ELG-

With plastic flap (Std.) 180 °C G
350 °C with ceramic flapHT
180 °C with glass tubeF

2 CERTIFICATE

None.....0 (EN10204-3-1) Material Certification.....1

3 SIZE (mm) L

....mm

4 BODY MATERIAL

304 Stainless Steel (Std.)001 Special.....x
316 Stainless Steel (Std.)002

5 OPTIONAL

None...../ 0 Special.....x

Example

ELG-G - 0 - 500 - 001 / 0

Plastic With Flap Display , 500mm , 304 Stainless Steel

ONLY THE DISPLAY SHOULD BE USED WHEN REQUIRED.

1 SCALE ELG-

Standard TypeSK

2 CERTIFICATE

None.....0 (EN10204-3-1) Material Certification.....1

3 LENGTH (mm) L

....mm

4 BODY MATERIAL

304 Stainless Steel (Std.)001 Special.....x
316 Stainless Steel (Std.)002

5 OPTIONAL

None...../ 0 Special..... / x

Example

ELG-SK - 0 - 500 - 001 / 0

Plastic With Flap Display , 500mm , 304 Stainless Steel