

tempmate.®-i1

➔ Single-Use Temperature Indicator for Cold Chain Temperature Monitoring



+ Break-Off Tab to Start the device

+ Small, light and flat design

+ GDP and EN12830 compliant



PHARMACEUTICAL
PRODUCTS



FOOD & PRODUCE



CHEMICAL
PRODUCTS

Single-Use Temperature Indicator for reliable low-cost cold chain monitoring.

tempmate.®-i1 indicators have 3 LED's onboard for indicating the alarm status easily, so no further software or hardware is required to check the condition of the goods.



tempmate.com



Easy
handling



EN 12830
compliant



GDP
compliant



German
Quality



IP 67
protected



Temperature
-20°C to +50°C



Frontside

Curious about your cold chain?

tempmate.® continuously monitors all relevant data.

tempmate.®-i1 indicators are specially designed for temperature monitoring in pharmaceutical cold chain logistics. As pre-programmed device **tempmate.®-i1** can be instantly used to control your temperature sensitive consignment. By comparison to chemical indicators, the 3 LED's at the frontside of the electronic indicator gives you a fast and clear feedback of your goods condition.

Your Benefits at a Glance

- + Product-related temperature monitoring along the entire cold chain
- + Cost-effective and reliable
- + Smart design, intuitive operation
- + Waterproof and food compatible
- + No additional hardware or software required
- + Storage time 4 years
- + Intelligent LEDs for status monitoring

Technical Specifications

| | |
|---------------------------|------------------------------------|
| Recording options | Single-Use |
| Temperature range | -20 °C to 50 °C (-4 °F to 122 °F) |
| Temperature accuracy | ±0.5 °C / 0.9 °F |
| Temperature resolution | 0.1 °C / °F |
| Alarm indicator | red, green and blue LED |
| Shelf life / battery | 4 years / 3.0 v lithium battery |
| Recording interval | 1 minute |
| Runtime | up to 180 days |
| Startup mode | Break-Off-Tab |
| Start Delay / Alarm Delay | Programmable |
| Alarm Event | Single / Cumulative (Programmable) |
| Dimensions | 50 mm × 33 mm × 5 mm (L × W × H) |
| Weight | approx. 10 g |
| Certifications | EN 12830, CE, RoHS |
| Calibration | 3 Point Calibration |
| Packaging | Foodgrade PA/PE packaging |
| Protection Class | IP67 / NEMA 6 |

Part Number Selection

| | |
|-----------|--|
| i1 | Product |
| C | Temperature Unit Celsius or F = Fahrenheit |
| S | Alarm Type Single Event or C = Cumulative |
| 1 | Alarm Limits (1 = +2 to +8°C; 2 = +0 to +15°C; 3 = +15 to +25°C) |
| 0 | 0 min Start Delay or 1 = 10 min |
| 0 | 0 min Alarm Delay or 1 = 10 min |

Available Configurations

| | |
|----------------|--|
| i1CS100 | +2 to +8°C no start delay, no alarm delay |
| i1CS110 | +2 to +8°C start delay 10 mins, no alarm delay |
| i1CS200 | 0°C to +15°C no start delay, no alarm delay |
| i1CS300 | +15°C to +25°C no start delay, no alarm delay |
| i1CS400 | +1 to +40°C no start delay, no alarm delay |

* Other configurations possible on request

