



Supply Chain Visibility made easy, End-to-End

The Berlinger SmartMonitor® by Sensitech enables global, real-time end-to-end visibility with validated, compliant temperature monitoring. Tailored for life sciences, the SmartMonitor solution proactively notifies logistics and partners, providing in-transit and stationary visibility and instant alerts, while speeding product release by automating data sent to the cloud. The SmartMonitor solution adds intelligent visibility to your shipments and sites. It enables validated, GxP-compliant shipment accept/reject decisions. Built-in, rechargeable battery management simplifies device management. The solution provides crucial insights into what occurred during shipment and storing to support root cause analysis.

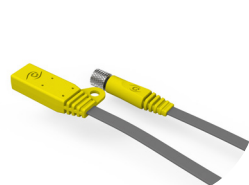
Stationary Monitoring with SmartMonitor SITE L

Key Features and Benefits

- Robust, real-time monitoring solution for stationary assets like fridges and freezers.
- Monitors temperature, humidity, light, and door events — ideal for ultra-cold and cryogenic applications down to -200°C .
- Global connectivity via Wi-Fi, cellular (LTE Cat-M1, NB-IoT, 2G), and Bluetooth (BLE).
- Acoustic and visual alarms for immediate on-site alerts.
- Rechargeable non-lithium NiMH battery, designed for safe, long-term use — supports continuous monitoring available when plugged into power.
- Automated, validated data flows to SmartView, enabling cGxP-compliant cold storage monitoring.
- Meets rigorous standards: FDA 21 CFR Part 11, GAMP5, PQS, and more.

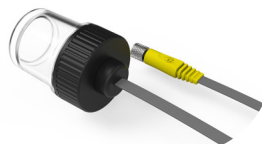


SmartSensors* compatible with SmartMonitor SITE L



SmartSensor TEMP

Measures temperature from -40°C to $+75^{\circ}\text{C}$



SmartSensor GLYCOL

Measures temperature from -40°C to $+60^{\circ}\text{C}$



SmartSensor ULTRA LOW

Measures temperature from -100°C to $+75^{\circ}\text{C}$



SmartSensor CRYO

Measures temperature from -200°C to $+75^{\circ}\text{C}$

SmartMonitor SITE L Specifications	
Recording Option	Reusable, Real-time Device
Certified Modes of Transport	Stationary Site Monitoring (Refrigerator, Freezer)
Sensor Types	Temperature, Humidity, Light, Shock, Free fall, Tilt
Temperature Measurement Range	-30°C to +75°C (Other ranges, SmartSensor can be used)
Temperature Accuracy Range	±0.5°C in range -10°C to +45°C / ±1.0°C in ranges -40°C to -10°C and +45°C to +75°C
Humidity Measurement Range	0% to 100% RH
Humidity Accuracy Range	± 5% RH
Alarms	Up to 24 individually programmable alarm/warning rules, for temperature and humidity
Remote Device Configuration	Automatic
Temperature Accuracy Certification	A sampling lot acceptance test (Berlinger Standard Calibration) is performed and documented with a Certificate of Conformance per batch; Individual device calibration, including Certificate of Calibration, is available upon request
Temperature Sensor Sample Interval	5 to 240 minutes (5 minute increments)
Temperature Measurement Responsiveness	Meets EN12830
Start Up Delay	0 minutes to 4 hours
Light Sensor Range	Light intensity threshold detection 0.1 to 1000 lux
Communication	Cellular LTE Cat M1 (4G/5G), NB-IoT, 2G, Bluetooth Low Energy (BLE), WiFi
Memory	120 days @ 10 minutes measurement interval (all sensors active)
Battery Type	Rechargeable, Non-Lithium, Nickel Metal Hydride (NiMH)
Shelf Life & Sustainability	Reusable (Rechargeable via USB-C, charger with 2.5 m cable included; EU/US/UK plug options)
Operating Life	3 years typical device lifetime, without refurbishment, typical battery run time >72 hours run time (with acoustic and visual alarm)
Location	Cell-based localization (accuracy of cell-based localization cannot be guaranteed due to dependencies on local cellular services)
Dimensions and Weight	127 x 73 x 20 mm, 180 g
Environmental Rating	IP65
Regulatory	CE (RED), FCC, IC 21 CFR Part 11, GAMP5, IEC 62368-1, RoHS
Display Indicators	LCD screen icons: Ready to Start, Running, Stopped, Alarm status (OK (✓) and Alarm (✗)), Warning, Start-up Delay, Uploading to Cloud, Upload to Cloud Complete, Bluetooth En-/Disabled, USB, Cellular, WiFi, Battery Status, Static or Scrolling Text to Support User
Secondary Download	USB-C read-out
Software Interfaces	SmartView Platform
Cold Chain PDF Report	PDF generated by cloud software, Manual read-out option USB-C read-out
Additional Features	Start delay; start event and remote stop via cloud; refrigerator name/location ID displayed; configurable display, configurable sensor and communication technologies; acoustic and visual alarm; non-startable warning due to low battery; calibration expiry warning; Appliance opening detection and alarming
Available Accessories	SmartSensors, SmartCradle, Extension Cable, Angle Adapter

Sensitech has performed all necessary testing and can provide documentation supporting our compliance at your request.