LOM18-001

Temperature Sensor

Pack of 2 or 5 pieces (PFKI-LOM18-002)

- Measuring range : -10°C... +60°C
- Accuracy : ±0.1°C

Certifications : CE; EN12830

Description

The LOM18-001 is a temperature sensor which can be used in the following mode:

- Monitoring (real-time monitoring applications): the data logger sends its measurements in real time to a receiver (RF-to-US).
  its measurements in real time to a receiver (RF-to-USB key, Ethernet or 3G gateway).
  If a measurement is not received by the receiver, the data logger stores it in its internal memory and sends it to the receiver during the next communication.

It is also equipped with:

- IP67 housing
- Internal antenna
- Power supply ½ AA battery (Lithium Thionyl)

Specifications

LOM18	
Type	Very High Precision
Apparence	Internal sensor
Operating temperature	-10°C... +60°C
Resolution	0.034°C
Precision	± 0.1°C (5°C... +60°C) ± 0.2°C (-10°C... +5°C) (45°C... +60°C)
Product Latency	≤ 10 min
Sensor drift	Excellent long-term stability

Battery	½ AA lithium Thionyl
Autonomy	Up to 2 years at 25°C with a measurement frequency of 15 minutes Up to 4 years at 25°C with a measurement frequency of 1 hour
Dimension	Haunt: 91 mm diameter: 26 mm

RF connector	No connector
Antenna	Antenna internal
Scope	200 meters (in free zone)
LED	Two-color LED
Memory capacity	32.256 measurements with date and time
Time resolution	1s
Time deviation	+/- 2min/month at 25°C
Flash life	Up to 10.000 cycles
ILS	Integrated ILS for multiple functions - Waking up the product in hibernation mode - Taking a measurement outside the measurement frequency