



**LOM16-00X**

Temperature Sensor

## Temperature sensor

- Measuring range: -40°C... +70°C
- Accuracy:  $\pm 0.3^{\circ}\text{C}$

Certification: CE, EN12830

## Description

The LOM16-001 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  $\frac{1}{2}$  AA battery (Lithium Thionyl)

We find the option pack of 5 loggers: PFKI-LOM16-002

# Specifications

LOM16	
Type	High accuracy
Appearance	Internal sensor
Operating temperature	-40°C... +70°C
Resolution	0.1°C
precision	± 0.3°C [-30°C... +60°C] ± 1°C [-40°C... -30°C] [60°C... +70°C]
Product Latency	≤10 min
Sensor drift	Excellent long-term stability

LOM16		
Battery	½ AA Lithium Thionyle	
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	height	91 mm
	Diameter	26 mm

RF connector	No connector
Antenna	Internal antenna
Scope	200 meters (in free zone)
LED	LED bicolore
Memory capacity	32,256 measurements with date and time
Time resolution	1s
Time deviation	+/- 2 min/month at 25°C
Flash life	Up to 10,000 cycles
ILS	Integrated ILS for several functions: - Wake up the product in hibernation mode - Taking a measurement outside the measurement frequency