

LOM56-00X

Temperature Sensor

Description

The LOM56 is a temperature sensor that can be used in the following modSe:

- Monitoring: the data logger sends its measurements in real time to a receiver (RF-to-USB key, Ethernet or 3G/4G 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, over a range of up to 200m, during the next communication.
- Up to 2 years of autonomy (with 15 min measurement interval) with a standard battery and 4 years with 1 lithium battery.

It is also equipped with:

- IP67 housing
- Internal antenna

Specifications

LOM56	
Type	High accuracy
Appearance	Internal sensor
Operating temperature	001: -5°C... +50°C Alkaline Battery 006 : -40°C... +70°C Pile Lithium
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
Dimension	Height: 75 mm Width: 69 mm Depth: 31 mm

LOM56-001	
Pile	AA Alkaline
Autonomy	Up to 2 years at 25°C with a measurement frequency of 15 minutes

LOM56-006	
Battery	AA Lithium
Autonomy	Up to 4 years at 25°C with a measurement frequency of 15 minutes

RF connector	No connector
Antenna	Internal antenna
Scope	200 meters
LED	LED bicolore
Memory capacity	32,256 measurements with date and time
Time resolution	1s
Time drift	+/- 2 min/month at 25°C
ILS	Integrated ILS for several functions:- Wake up the

	product in hibernation mode - Taking a measurement outside the measurement frequency

Models and accessories

PFPN-LOM56-001	Mini-Logger température v2 +/-0.3°C - IP67, Alcaline [-5°C...+50°C]	Mini- Temperature Logger v2 +/-0.3°C - IP67, Alkaline [-5°C...+50°C]
PFPN-LOM56-006	Mini-Logger température v2 +/-0.3°C - IP67, LT [-40°C...+70°C]	Mini- Temperature Logger v2 +/-0.3°C - IP67, LT [-40°C...+70°C]
PFKI-LOM56-001	Kit d'évaluation température : 1 LOM56 +1 RFM Premium	Temperature evaluation kit: 1 LOM56 +1 RFM Premium