



**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<br>006 : -40°C... +70°C Pile Lithium |       |
| Resolution            | 0.1°C  |       |
| precision             | ± 0.3°C [-30°C... +60°C]<br>± 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 |

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

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| 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 |

|  |   |
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|  | product in hibernation mode<br>- Taking a measurement outside the measurement frequency |
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## Models and accessories

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