



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

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| 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 |

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| 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 |

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| 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 |