LOG36-00X

Temperature Sensor

- Measuring range : -40°C... +85°C
- Precision : ± 0.3°C

Certifications : CE, EN12830

Description

The LOG36-001 is a wireless temperature sensor that can be used in 2 modes:
Monitoring (real-time monitoring applications): the data logger sends its measurements to a PC or gateway in real time. If a measurement is not received, it stores it in its internal memory and sends it to the receiver during the next transmission.
Recording (delayed data transmission): the data logger records the measurements it takes in its on-board memory. The user can download all the stored measurements to the PC at any time, by sending a command by radio.
It is also equipped with :

- IP65 enclosure
- ½ wave antenna (up to 900 metres range)
- AA battery power supply (supplied)

LOG36-004 :
Same as LOG36-001 + fixing plate attached to box
LOG36-005 :
Same as LOG36-004 + High Autonomy pack: 2 batteries (up to 4 years autonomy)

Specifications

LOG36	
Type	High Temperature Precision
Sensor	Internal sensor
Measuring range	-40°C... +85°C
Resolution	0.1°C
Accuracy	±0.3°C (-30°C... +70°C) ±1°C (-40°C...-30°C ; +70°C...+85°C)
Response time	≤ 10 min
Sensor drift	Excellent long-term stability
Battery	AA lithium Thionyl with JST connector
Autonomy (25°C)	Up to 3 years at 25°C on a frequency of 10 min
RF connector	SMA connector
Antenna	Wave antenna
Radio range	Up to 900 meters

LED	No LED
Memory capacity	32.256 time-stamped measurements
Logging interval	From 1s to 4 hours
Internal clock drift	+/- 2min/month @25°C
Backup time	Time retained as long as the product is powered by the battery Time kept for 3 min if the battery is remored (if battery level = 3.6V) Time retained for 1 min if the battery is removed (if battery level = 2.2V) Hour lost if battery is less than 2V
Flash memory lifespan	Up to 100.000 cycles
ILS	Integrated ILS for multiple functions : - Waking up the product in hibernation mode - Taking a measurement outside the measurement frequency

Specificities :

- Aluminium (4mm)
- Without antenna

Dimensions (without antenna)	Length: 98 mm Width: 64 mm Height: 34 mm
Weight	250 g
Product identifications	2 stickers on the product : - 1 on the upper side (giving the product range) - 1 on the side (giving the reference and serial number of the product)