LGR30-001

Temperature Sensor

Measuring range: -250°C... +850°C
Accuracy: ±0.24°C
PT100 sensor
Certification : CE

Description

The LGR30 is a temperature sensor that can be used in two different modes:
Monitoring: the logger sends its measurement to the PC in real time. If a measurement is not received by the PC, it stores it in its internal memory and sends it to the PC on the following communication channel "recording".
Playback: The recorder stores the measurements it takes in its memory. The user can download any stored measurements to the PC.
It is also equipped with :
IP65 enclosure
½ wave antenna
Power supply AA Lithium Thionyl battery

Specifications

LGR30	
Type	Pt100 Compliant with 2 wire, 3 wire and 4 wire (recommended)
Temperature range of use of the logger	-40°C... +85°C
Measurement range	-250°C ... +850°C (max. range)
Accuracy	± 0.24°C (to be added to the probe accuracy)
Resolution	0.08°C

Antenna RF Connector	SMA connector
Antenna	½ Wave antenna (included)
RF range in free land	100m to 1km, depending on the antenna used on the reception side
Memory Capacity	32 256 measurments with date and time
Time resolution	1s
Time deviation	+/- 2min/month at 25°C
Data memory retention	100 years
ILS	ILS integrated for several functions : - Wakeup of the product in hibernate mode - Take of a measure outside of the frequency measure set

IP	IP65, the level of tightness of the product is valid only if the probe and antenna are properly tightened (seals crushed)
Battery	AA lithium Thionyl (included) with plug-in connector
Autonomy	Up to 3 years At 25°C with a frequency measures of 10 minutes. Average value which can slightly vary depending on the use. It is given with the product working in non alert mode.

Specifications :

Features	Aluminium casing (4mm)
Fixation	Fixation support provided screwed in the casing for screwing in 4 points or strapping through 2 holes

Colour	Grey (aluminium
Dimensions	Length: 98 mm Depth: 64 mm Heigth: 34 mm
Weight	About 280g
Stickers	2 stickers on the product : - 1 sticker on the top face, giving the product range - 1 sticker on the side, giving the complete product reference and its serial number