LOG87-001

Temperature Sensor

Measuring range (Temperature) : -40°C … +70°C

Accuracy (Temperature) :
± 0.20°C [0°C…70°C]
± 0.30°C over the rest of the range

Measuring range (Humidity): 0…100% RH

Accuracy (Humidity) :
±3% HR [0…85% HR]
±4% HR [85…95% HR]

Certification : CE

Description

The LOG87 is a temperature and humidity sensor with the following operating modes:
Monitoring mode: measurements are sent in real time to the receiver, for real-time
real-time monitoring. If the measurement is not received by the receiver (key not plugged in, PC
PC switched off, RF-Monitor not started, communication problem, etc.), the data logger records the
measurement in its buffer memory. As soon as communication is restored, the measurements
measurements are automatically sent by the data logger to the PC.
It is also equipped with :
IP52 enclosure
½ wave antenna
Power supply Lithium Thionyl battery
Translated with DeepL.com (free version)

Specifications

LOG87	
Type	Temperature and Humidity
Sensors range	Temperature : -40°C... +70°C Relative humidity : 0 ... 100% RH
Operating temperature	-40°C ... +70°C
Temperature Accuracy	± 0.20°C (0°C... 70°C) ± 0.30°C rest of the range
Temp resolution	0.016°C
Humidity range	0... 100%RH
Humidity Accuracy at 25°C	±3% RH (0...85%RH) ±4% RH (85...95%RH)
Humidity Resolution	0.03% RH

Battery	Lithium thionyl chloride battery 3.6V A size with wires
Autonomy	Up t 5 years
Battery change	Battery accessible and replaceable by the user

Antenna RF connector	SMA connector
Antenna	½ wave antenna (included)
RF range in free land	Up to 1km (depending on the antenna used on the reception side)
LED	1 bi-color LED
Memory Capacity	32 256 measurements with date and time
Time resolution	1s
Time deviation	+/- 2min/month at 25°C
Time retention	Time kept as long as the product is powered (Hibernate mode included)
Data memory retention	100 years
Flash life time	Up to 100 00 cycles (meaning 100 years is a measure is done every second)
ILS	ILS integrated several functions : - Wakeup of the product in hibernal mode - Take of a measure outside of the frequency measure set