

LGS39-001

Pulse Recorder

Measurement range: up to 10 Hz
Signal: pulse input

Certification: CE

Description

The LGS39 is an impulse recorder that can be used in two different modes:
Monitoring (real-time monitoring applications): the recorder sends its measurements 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/Restitution (follow-up): the recorder records the measurements it takes in its on-board memory. The user can download all the stored measurements to the PC at any time.
It is equipped with :
IP65 enclosure (Aluminium)
½ wave antenna
Power supply AA battery (Lithium Thionyl)

Specifications

LGS39	
Interface	impulse
Number of inputs	1
Measurement range	Up to 10 Hz
Accuracy (without sensor)	Not applicable
Resolution	Not applicable
Power supply for the sensor	Not applicable
Minimum pulse duration	20 ms
Communication Type	Dry contact or CMOS 0 – 3.5V
Temperature sensor	YES

Temperature range of use of the Logger	-40°C... +85°C
IP level of data logger and the connector	IP65 The tightness level of the product is only valid if the probe and antenna are correctly tightned (seals crushed)

Battery	AA Lithium Thionyl battery (included) with plug-in connector
Autonomy	Up to 3 years At 25°C with a measurement frequency of 10 minutes. Average value may vary slightly depending on use, given with the product working in non-alert mode.

RF antenna 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 measurements with date and time
Time and date resolution	1s
Time deviation	+/- 2min/month at 25°C
Data memory retention	100 years
ILS	Integrated ILS for various functions : - Product wake-up when placed in hibernate

	mode (depp slepp) - Forced measurement outside the set measurement frequency

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 (w/o antenna)	Length : 98 mm Depth : 64 mm Heigth : 34 mm
Weight	About 280 g
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