



LGS37-001

Recorder with interface -50/+50 mV

Measurement range: -50 mV / +50 mV

Accuracy: +/- 1.6 μ V

Certification: CE

Description

The LGS37 is a recorder with a -50/+50 mV interface, which 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)

$\frac{1}{2}$ wave antenna

Power supply AA battery (Lithium Thionyl)

Specifications

| LGS37 | |
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| Interface | -50mV / +50mV |
| Number of inputs | 1 |
| Measurement range | -50mV / +50mV |
| Accuracy (without sensor) | +/- 1.6 μ V |
| Resolution | 1.6 μ V |
| Power supply for the sensor | Not applicable |
| Temperature sensor | YES |

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| 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) |

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| 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. |

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| 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 |

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| 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 Height : 34 mm |
| Weight | About 280 g |
| Stickers | 2 stickers on the product : <ul style="list-style-type: none">- 1 sticker on the top face, giving the product range- 1 sticker on the side, giving the complete product reference and its serial number |