



LGR36-001

Temperature Sensor

Measurement range: -40 to 80°C

Accuracy: $\pm 0.3^{\circ}\text{C}$

Certification: CE

Description

The LGR36 is a temperature sensor that can be used in two different modes:

Monitoring (real-time monitoring applications): the logger 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".

Recording/retrieval (a posteriori control): the logger records the measurements it takes in its on-board memory. Users can download all stored measurements to their PC at any time.

It is equipped with :

IP65 enclosure (Aluminium)

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

Power supply AA Lithium Thionyl battery

Specifications

| LGR36 | |
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| Type | For Newsteo digital temperature probe |
| Temperature range of use of the logger | -40°C... +85°C |
| Measurement range | -40°C... +100°C |
| Accuracy | ± 0.3°C |
| Resolution | 0.1°C |

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| 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 |

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| 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 :

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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 |

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| Colour | Grey (aluminium) | |
| Dimensions | Length | 98 mm |
| | Depth | 64 mm |
| | Height | 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 | |