

Simple radio module Standard probe



Applications: Module and probe used for monitoring freezers at -40°C, -30°C, and -20°C, and refrigerators and cold rooms.

Technical specifications

Probe

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| Range of temperatures measured: | From -40°C to +80°C (-40°F to +176°F) |
| Type of probe: | 3-lead digital probe with serial number |
| Dimensions of the probe: | 50 mm x 8 mm stainless steel and PVC cable |
| Length of the cable | 1.50 m |
| Connector: | Connector with 3 golden pins between the probe and the radio module |
| Measurement uncertainty: | 0.19°C |
| Resolution: | 0.0625°C |
| Calibration certificate: | Yes – optional |
| Index of protection: | Probe IP68 |
| Passage of the probe in the housing: | Via a specifically designed hole or ultra-flat capillary cable. |

Radio Module

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| Dimensions and Weight: | 120 x 40 x 30 mm 150 g |
| Memory: | 3000 points for temperature measurements in the radio module (equivalent to 3 weeks of autonomy with a measurement interval of 10 minutes). |
| Temperature range for exposure of the module (functioning of the electronics of the radio module): | 0°C to 50°C (32° to 122°F) |
| Radiofrequency transmission: | Up to 700 metres (765.53 yards) in open spaces, from 25 metres (27.34 yards) to 100 metres (109.36 yards) in enclosed spaces (buildings), and up to 400 metres (437.45 yards) inside with 3 repeaters. |
| User interchangeable battery: | Yes |
| Battery model: | LS14500 (Saft Mazda) - Lithium 3.6 v |
| Battery life expectancy: | Up to 1 year depending on the use |
| Index of protection: | IP 65 |
| Affixing the radio module: | Via double-sided Velcro adhesive on the side of the apparatus. |

Options

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| Mains power supply and battery: | Yes. 220V power supply for Europe, India, and Asia. 110V supply for the US range (North America, USA, and Canada). Mains adaptor with 1 meter cable. |
| Calibration certificate: | Calibration of the probe only in comparison with a Cofrac reference standard: -30°, -15°, 0°, 20° and 40°C. Available in option. |
| Easy readable LCD screen: | Display most recent temperature reading, battery level, performance of the wireless range and alert messages. |