

Dual radio module Temperature / Humidity



Applications: Module and probe used for monitoring stability chambers or ambient storage conditions.

Technical specifications

Probe

Range of temperatures measured:	From -40°C to +100°C (-40°F to +212°F) and 0 to 100% RH
Type of probe:	Digital probe with 4 leads
Dimensions of the probe:	50 mm x 8 mm plastic casing
Length of the cable	0.40 m
Connector:	Connector with 4 golden pins between the probe and the radio module
Measurement uncertainty:	0.2°C and 3% RH
Resolution:	0.0625°C and 0.1% RH
Calibration certificate:	Yes optional
Index of protection:	Probe IP44
Passage of the probe in the housing:	Via a specifically designed hole or ultra-flat capillary cable.

Radio Module

Dimensions and Weight:	120 x 40 x 30 mm 150 g
Memory:	2 x 1500 points for temperature and hygrometry measurements (1500 per parameter) in the radio module (equivalent to 1.5 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

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 metre cable.
Calibration certificate:	Calibration of the probe only in comparison with a Cofrac reference standard (23°C / 50% RH). Available in option.
Easy readable LCD screen:	Display most recent temperature reading, battery level, performance of the wireless range and alert messages.