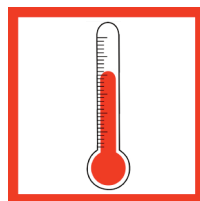


SPYDAQ-1010

Dual Temperature Transmitter



- Dual Temperature Sensor
- -80°C to +200°C Measuring Range
- Easy Release Connector
- Up to 32 Measurements Per Base Station
- Various Lead Lengths Available



SPYDAQ-1010

Dual Temperature SpYdaq Transmitter

The SPYDAQ-1010 transmitter is designed to provide two external temperature sensors from one transmitter. This allows up to 32 temperature points to be measured by one SPYDAQ base station.

The two temperature inputs are wired to a convenient quick release connector that allows the transmitter module to be easily swapped for calibration etc.

The transmitter is used in conjunction with the SPYDAQ-ACC08 sensor assembly that comprises of two sensors on 1.5m long, 1mm diameter flying leads. The low diameter of the flying leads make it ideal for passing through door seals on fridges, freezers or ovens. Sensor assembly sold separately.

Transmitter Hardware Specifications

Enclosure Dimensions	108mm Diameter x 60mm High Antenna: 172mm
Ambient Temperature Range	-40°C to +75°C
Transmission Frequencies (Licence Free)	433MHz - Europe 868MHz - Europe 915MHz - USA
Power Supply	Battery Powered. 3.6VDC Lithium 2.2AH
Transmission Rate	Switch Selectable: 20 Seconds 1 Minute 10 Minutes 30 Minutes
Range	Typically 400m line of sight.
Typical Power	10mW
Enclosure Material	ABS
Enclosure Sealing	IP65 - Dust tight and protected against jets of water

Order Codes and Sensor Specifications

Part Number	Description
SPYDAQ-1010	Dual input transmitter. Sensors extra, see below
SPYDAQ-ACC-08-01 General Purpose Sensors	Dual temperature sensor with connector for connecting to SPYDAQ-1010 transmitter. Sheath Length: 75mm x 6mm Lead Length: 1.5m ^{*1} Lead Diameter: 1mm Sensor A measurement range: -40°C to +125°C Accuracy: ±0.5°C ^{*2} Sensor C measurement range: -50°C to +200°C Accuracy: ±0.35°C ± 0.03%RDG
SPYDAQ-ACC-08-02 Sensor C for use at temperatures down to -80°C	Dual temperature sensor with connector for connecting to SPYDAQ-1010 transmitter. Sheath Length: 75mm x 6mm Lead Length: 1.5m ^{*1} Lead Diameter: 1mm Sensor A measurement range: -40°C to +125°C Accuracy: ±0.5°C ^{*2} Sensor C measurement range: -80°C to +200°C Accuracy: ±0.5°C ± 0.06%RDG

Notes:

*1 Other sensor options like lead and sheath lengths are available, please consult sales office.

*2 ±0.5°C from -30°C to +105°C. ±1.0°C outside of this range. Accuracy stated is total system accuracy including transmitter.

Every effort has been taken to ensure the accuracy of this specification, however we do not accept responsibility for damage, injury, loss or expense resulting from errors and omissions, and we reserve the right of amendment without notice.

