

GenII Transmitter type GW47

Eltek
SPECIALIST
DATA LOGGERS

Easy to use customised data loggers

The GW47 transmitter is a self contained air quality monitoring transmitter, with built in sensors for RH, temp and CO₂ (0-5000 ppm) for use with:-

GenII – Telemetry monitoring system
WSR – Wireless Sensor Receiver system
RC250 – Telemetry receiver system

Key Features



- Transmitter incorporates a combined RH and Temp sensor and a CO₂ sensor.
- Sensors are interfaced digitally to ensure fast and accurate measurement, requiring no analogue adjustment.
- Calibration values are stored in the transmitter and the CO₂ sensor includes a daily auto calibration feature.
- Transmitter is powered from an external 12VDC supply (type MP12U) and is equipped with built-in rechargeable batteries to sustain operation for up to 8 hours in the event of AC mains supply interruption.
- Availability of the external supply is continuously monitored and can be presented as a channel of data at the logger. This means an AC power failure can be investigated or alarmed before the internal batteries become discharged.

GW47 is compliant to EN300-220-1.
Operating frequency : 434.225Mhz (other frequencies available)
Battery type : 9V Ni MH
Environment rating : IP40

Input type and specification

CO₂

Accuracy at +25 °C, 1013mBar: 0-5000ppm < ± (50ppm + 3% of measured value)
Temperature dependence: typically 2ppm CO₂/ °C over the range 0 to +50 °C
Pressure dependence: 0.14% of measured value / mBar deviation
Operational temp range: RH: 5% to 95% non condensing; -10 to +50 °C

Relative Humidity

Range: 0-100% Resolution 0.1%,
Accuracy RH: ± 2% (10 to 90% RH), ± 4% (0 to 100% RH),

Temperature

Accuracy: ± 0.4°C (-5°C to 40°C) , ± 1.0°C (-20°C to 65°C) , ± 0.5°C (5°C to 45°C)
Resolution: 0.1°C

Power Supply

Type MP12U AC100/250VAC

Dimensions / Weight

H115mm x W80mm x D33mm (excludes 75mm antenna)
155g

CE **Guarantee:** Equipment manufactured by Eltek is guaranteed against faulty materials or workmanship for three years. For repairs carried out under guarantee, no charge is made for labour, materials or return carriage.

Eltek

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