

## GenII Transmitter type GD47 Product Preview



The GD47 transmitter is self contained air quality monitoring transmitter, with built in sensors for RH, temp and CO2 (0-2000ppm or 5000 ppm) for use with:-  
GenII - Telemetry monitoring system  
WSR – Wireless Sensor Receiver system  
Or  
RC250 – Telemetry receiver system

The transmitter, solid state RH and Temp sensor is battery powered with long battery life (typically 2 years at 5 minute Tx interval). The NDIR (infrared technology) CO2 sensor is currently not suited for permanent battery operation and therefore must be externally powered. All sensors interface at digital level.

Release 2 version the GD47 will be fully self powered.

GD47 is compliant to EN300-220-1.  
Operating frequency – 434.225Mhz  
Battery type –6 x AA (2.6Ah)

### Input type and specification :

Operating temperature range: -30 to +65°C

Specification over range -10 to +50°C is;-

**CO2** 0-2000ppm < ± (50ppm + 2 % of measuring value.)

0-5000ppm < ± (50ppm + 3 % of measuring value.)

### Relative Humidity

Range, 0-100% Resolution 0.1%,

Accuracy RH, ± 2% (10 to 90% RH), ± 4% (0 to 100% RH),

### Temperature

Accuracy ± 1.0°C (-20°C to 65°C ), ± 0.4°C (-5°C to 40°C )