CO2 monitoring

The Hanwell 5000CO2 radio telemetry transmitter has been specifically designed to monitor CO2 and temperature. The units are in IP65-rated cases and are suitable for use in tough environments.

5000CO2

Carbon Dioxide

Temperature

The unit has been fitted with a custom-designed LCD to indicate current readings, battery life remaining and alarm conditions. Data is transmitted wirelessly to a local networked server for real-time alarms and historical analysis. These have been used for a multitude of applications including monitoring laboratory incubators. The transmitters are powered by a permanent 12V DC power supply.

Product Features

- Wireless data transfer
- High performance technology with accurate sensors and probes
- LCD display with data readings and battery life
- User accessible battery and USB socket
- Low power radio for long distance transmission (Over 3km over open ground)
- Complies with RoHS, EU and WEEE directives
- Carries CE Marking

Benefits

- Assists with national regulatory compliance
- Provides users with the tools to maintain a stable environment
- Reduces the risk of contamination or loss

Always ask for a long-range signal strength test.

We can prove ours to be unrivalled.

CE RoHS

imc

BRITISH MADE for Quality

TECHNICAL SPECIFICATIONS

Instrumentation Specification:
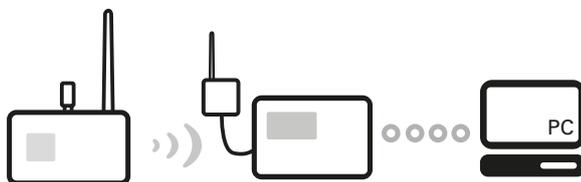
Dimensions	197 x 106 x 60mm
Weight	300 grams
Power Supply:	External 12V DC
Case Material:	ABS

Radio Transmitter Functions:

Frequency Options	A range of frequencies are available between 433-458MHz. Country specific regulations apply.
Radio Power:	10mW
Radio Range:	3km over open ground
Software required:	W700 – Standard Synergy Software Package W706 – Validated Synergy Software Package *See Synergy datasheet for further options
Hardware required:	SR2 – Smart Receiver REP – Repeater (where required)

This product can be calibrated to your specifications, contact us for further details.
N.B Instrument operating range -20°C to +60°C in a non-condensing RH environment

Radio system (requires radio receiver)

PC

HANWELL

5016

Radio transmitter code: RL5016-434.075 *(other frequencies are available)*

SPECIFICATIONS

CO2 Sensor Specification:

CO2 Sensor	Dual Beam Infra Red
Range	0 to 5%
Accuracy	± (1.5% of range + 2% of reading)
Operating Range	700 to 1300 mb

Temperature Sensor Specification:

Temperature Sensor	4 Wire PT100
Recommended Range	-20°C to +60°C
Accuracy	+/- 0.1°C
Resolution	0.1°C

5016 – Radio transmitter

Dual channel transmitter. Fitted with LCD. Range 0 to 5%

5018

Radio transmitter code: RL5018-434.075 *(other frequencies are available)*

SPECIFICATIONS

CO2 Sensor Specification:

CO2 Sensor	Dual Beam Infra Red
Range	0 to 10%
Accuracy	± (1.5% of range + 2% of reading)
Operating Range	700 to 1300 mb

Temperature Sensor Specification:

Temperature Sensor	4 Wire PT100
Recommended Range	-20°C to +60°C
Accuracy	+/- 0.1°C
Resolution	0.1°C

5018 – Radio transmitter

Dual channel transmitter. Fitted with LCD. Range 0 to 10%