

Z-TEMP-CO2

Wireless CO2 Temperature and Relative Humidity Transmitter



- Measures Ambient Temperature and Relative Humidity and CO2
- High accuracy, low cost unit
- Choice of enclosure types
- Long battery life
- User selectable update rates
- Based on ZigBee Protocol
- Data logging option available

Description

The Z-TEMP-CO2 wireless CO2, ambient temperature and humidity transmitter has been designed to operate with the range of ZigBee wireless instruments designed and manufactured by Industrial Interface.

Either CO2 alone or CO2 together with ambient temperature and humidity measurements can be specified. Typically the unit transmits the measured values back to a Z-PORT receiver which can be connected to an Ethernet or RS232/485 communications network or GPRS mobile data network.

The unit is specially designed to maximise battery life and in a typical application the battery life can be up to five years.

A version including data logging is also available; see the Z-TEMP-CO2-DATA

Two enclosure styles are available, either the commercial wall mounting unit shown or a Duct mounted sensor tube type. Please specify when ordering

Enclosure Styles



Style	In duct sensor Head
Orientation	Any
Wall/Ceiling Mounting	2 x 3mm screws
Enclosure Size	85mm dia x 57mm deep
Weight	Approx 70g



Style	Commercial Enclosure
Orientation	Any
Wall/Ceiling Mounting	2 x 4mm screws/adhesive
Enclosure Size	80 x 80 x 22mm
Weight	Approx 70g

Parameter characteristics

Parameter	Min	Typ	Max	Comments
Supply Voltage		3.6V		Battery Powered
Supply Current (mA)			40	When transmitting data
Battery Life		2 years	5 years	Dependent on update rate
Ambient Temperature Range	-25°C		55°C	
Relative Humidity Range	0%		95%	non-condensing
Temperature Accuracy		+/- 0.5 deg C		At 30 deg C
CO2 accuracy		+/- 50ppm		Or +/- 3% of reading
Relative Humidity Accuracy		+/- 3%		Between 10 and 90% RH

Ordering Information

Please Supply:	
Part Number:	Z-TEMP-CO2-x-y
x = COMM	Commercial Enclosure
x = DUCT150 or 230	Duct Probe Enclosure
y = DATA	Data logging version

OneTemp^o pty ltd
 MEASURE | CONTROL | RECORD
www.onetemp.com.au
 1300 768 887

Tel: 01242 251794 Fax: 01242 571683

Email: sales@industrialinterface.co.uk

Web: www.industrialinterface.co.uk



Cert. No: FM512984

www.facebook.com/IndustrialInterface

@IndustrialInter

Industrial Interface Ltd

