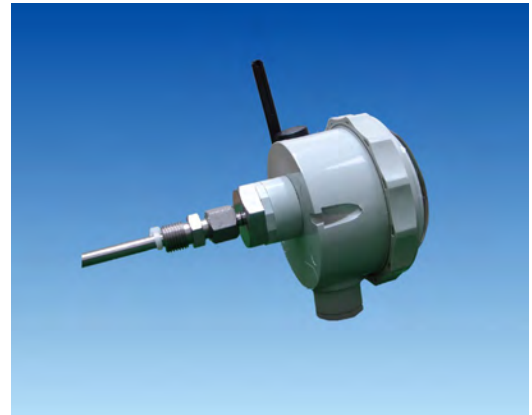




Z-PRESS

ZIGBEE WIRELESS ENABLED PRESSURE TRANSMITTER

- Battery Powered Wireless ZigBee Pressure Transmitter
- Wide Range of Input ranges from 0.25 to 700 bar gauge or absolute
- Long Battery Life, Low level Alarm
- Wide range of connection heads
- High Accuracy, better than 0.1% span



Description

The Z-PRESS ZigBee enabled pressure transmitter can be used to measure a wide range of pressures and transmits the measured variable to a 2.4GHz ZigBee receiver unit.

There are two main applications of the Z-PRESS unit.

The first is to create a network of wireless pressure transmitters with all the measurements then being available via RS232 or Ethernet connection using the Z-PORT wireless ZigBee receiver.

The second is to use the Z-PRESS in conjunction with a Z-200 receiver unit to generate a standard 4-20mA or 0-10 Volts without the use of cabling.

These two applications are shown opposite.

The Z-PRESS is specially designed to maximise battery life and in a typical application the battery life can exceed three years. The data update rate is user selectable to suit the requirement of each measured variable and so maximise battery life.

Typical update rates include 1 second, 10 seconds, 60 seconds or 1 hour. The unit also transmits a signal strength reading which can be remotely monitored.

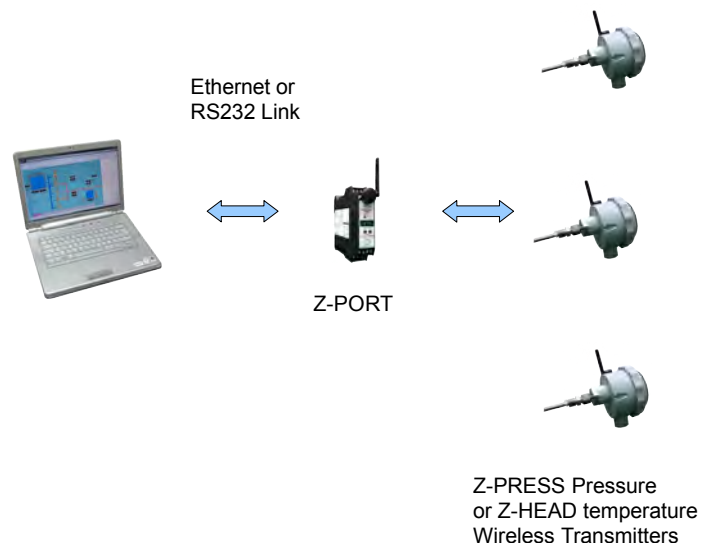
The unit can be supplied with a wide range of process connections and body styles.

If you have a particular application in mind please contact our sales department.

Application 1: Wireless Pressure Measurement.



Application 2: Wireless ZigBee Network





Parameter	Min	Typ	Max	Comments
Supply Voltage		3.6V		Battery Powered
Supply Current (mA)			40	When transmitting data
Pressure Ranges	0.25	5	700	Barg or Bara
Process Conn.Material				303 Stainless Steel
Seal Material				Viton
Diaphragm Material				Aluminium Oxide
Accuracy		<+/- 0.1%		Span (BFSL)
IP Rating		IP 65		
Thermal Zero Drift			0.01%/Span/°C	
Operating Ambient	-20°C		70°C	
Media Temperature	-20°C		135°C	
Notes	Other materials and connecting heads available, please call sales			



Installation Data	
Mounting	In Head or wall mount
Orientation	Any
Connections	Screw Clamp with pressure plate
Conductor size	0.5-4.0mm
Insulation Stripping	12mm
Weight	Approx 70g
Enclosure Size	85mm dia x 57mm deep

Connection Details

1. Power Supply -ve
2. Power Supply +ve

3. Input +ve
4. Input -ve
5. Bridge Excitation
6. Bridge Excitation

Ordering Information

Please supply:

Part Number:	Z-PRESS
Input Type:	e.g Gauge Pressure
Input Range:	e.g 0 – 5 Barg
Power Supply:	Battery powered