

Designed For Reliability..

DATA ACQUISITION

General Description

The HyQuest Solutions Wireless Data Collector WDC100 has been designed using surface mount technology to provide a very small, ultra low power wireless SDI-12 and 4-20mA transmitter / SDI-12 receiver network that can be used in harsh environments for extended periods.

The Wireless Data Collector's primary purpose is to periodically measure various signals at remote locations, including a 4-20mA transducer, up to 9 x SDI-12 data variables and a digital contact closure (rainfall or flow meter input) and to wirelessly transmit the data to a central location and make the data available to a data logger via an SDI-12 interface.

A central receiver can collect data from up to 8 separate transmitters, each with a very low power consumption (typically 200uA while asleep) which makes it ideal for remote sites where long battery life is important. The receiver also has an LCD + keys to display the data and set configuration parameters.

Features

- 8 selectable frequencies 916.5 MHz to 923.5 MHz
- Licence free Band
- Central receiver which can collect data from up to 8 separate transmitters

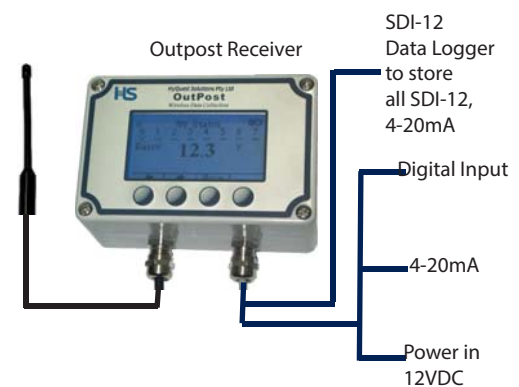
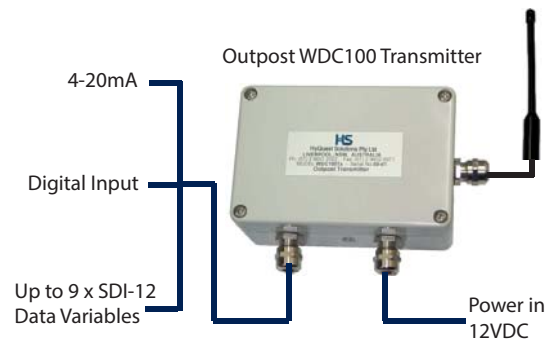
- Accepts different input signals, Digital, 4-20mA and SDI-12.
- Receiver has LCD + Keys to display the data and set configuration parameters
- Robust waterproof aluminium enclosure (IP67)
- User friendly software with basic data reporting functionality

buttons

- Connections Screw less Terminals
- Radio Frequency 916.5 to 923.5MHz (in 1MHz steps)
- Transmit Power 10mW
- Range 1km (0.62 miles) line of sight
- Dimensions 125mm x 80mm x 57mm (L x W x D)

Specifications

- Transmitter:
 - 4-20mA Input
 - 16 bit resolution
 - 8 samples over 1 sec
- Transmitter Inputs:
 - 1 x 4-20mA
 - 1 x Digital Input
 - 9 x SDI-12 inputs
 - Volume Calculated from 4-20mA Water Level
 - Battery Voltage
- Receiver Inputs
 - 1 x 4-20mA
 - 1 x Digital Input
 - Battery Voltage
 - Volume Calculated from 4-20mA Water Level
- Indicators
 - WDC100 Transmitter; Status LED indicator
 - WDC100 Receiver; 128 x 64 Graphics LCD
- Controls WDC100 Receiver; 4 x Push-



OUTPOST MODEL WDC100

N.B. Specifications are subject to change at any time without notice.

Contact Us

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