

Designed For Reliability...

WLT420
WATER LEVEL TRANSMITTER

DATA ACQUISITION

General Description

The HyQuest Solutions Wireless Level Transmitter WLT420 has been designed using surface mount technology to provide a very small, ultra low power and reliable wireless 4 to 20mA and a single digital I/O transmitter / receiver pair that can be used in harsh environments for extended periods.

The Wireless Level Transmitter's primary purpose is to periodically measure a 4-20mA transducer and monitor the event data from a digital input, and to wirelessly transmit the measurement to a different location and reproduce the 4-20mA signal and the digital output. This is done with a very low power consumption (typically 150uA while asleep) which makes it ideal for remote sites where long battery life is important. The receiver also has an LCD to display the water level, tip count, current measurement, signal strength and other parameters.

Features

- Wireless, up to 1km range
- Radio Frequency AUS/USA
- Waterproof Housing IP67
- Low Power Consumption
- Display the water level, current measurement, tip count and other parameters

Specifications

- Transmitter Inputs:
 - 4-20mA Input (12 bit resolution: 256 samples over 1 sec)
 - 1 Digital input TBRG Typical
- Receiver Outputs:
 - 4-20mA Output (16 bit resolution)
 - 1 Digital output (open collector)
- Indicators:
 - WLT420T- Transmitter - Status LED indicator
 - WLT420R -Receiver - Status LED + 8 char x 2 line LCD
- Controls: WLT420R- Receiver Scroll + Select pushbuttons
- Connections: Screwless Terminals
- Radio Frequency
 - US 905.5 to 912.5MHz
 - AUS 917.5 to 924.5MHz

- AUS 917.5 to 924.5MHz
- Transmit Power: 10mW
- Range: 1km (0.62 miles) line of sight
- Dimensions: 125mm x 80mm x 57mm (L x W x D)
- Weight: 600 grams
- Environmental: -40C to + 70C at 95% RH Non Condensing
- Enclosure: Aluminium waterproof housing IP67



WLT420-RX Water Level Receiver



WLT420-TX Water Level Transmitter

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



HS HYQUEST SOLUTIONS

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