

Designed For Reliability...

WL3100/WL3100A
DRY PRESSURE TRANSDUCER

WATER LEVEL

General Description

The WL3100 and WL3100A pressure transducers incorporate HyQuest Solutions latest technical advances. The unit consists of a strain gauge element fitted inside a rugged aluminium enclosure.

The SDI-12 or RS232 outputs allow multiple connections to a single data logger, transmitting up to a distance of 60m (200ft.). The unit also provided an alternate 4-20mA output is SDI-12 or RS232 are not required. The 4-20mA and SDI-12 outputs can operate 'simultaneously'.

The WL3100A model offer the user the option of a 'User Factor' to enter site latitude/altitude/height above stream/water temperature using the push button provided.

When used with the HS23SL bubble unit or with the HS range of compressor systems, a high degree of accuracy and reliability is offered for sensing of water level..

Features

- High accuracy : +/-0.02%FS
- Outputs : 4-20mA & SDI-12 or RS232
- Programmable LCD Displays range, resolution, date/time, water level reading

- Robust construction
- Lithium battery back-up

Specifications

- Power Supply
 - Operating : 9.0-16V DC
 - Battery back-up : Internal lithium
- Outputs 4-20mA & SDI-12 or RS232
- Connectors available in 'push-in' type or Milspec type
- Enclosure IP65 powder-coated aluminium
- Range 0-5m, 0-10m, 0-15m, 0-20m and 0-30m water head
- LCD
 - Type: 2 x lines x 16 characters with backlighting (powered by external battery)
 - Displays: range, water level & battery voltage
- Accuracy +/-0.02% FS (full temperature compensation)
- Over-Pressure 2.67 x range
- Long term stability, typically +/-0.05% FX per annum
- Pressure transducer connection, 6mm (1/4") OD
- Operating Temperature Range
 - WL3100 -20°C to +60°C (transducer

only, excludes LCD)
- WL3100A -40°C to +60°C (transducer only, excludes LCD)

- Humidity 95% non-condensing
- Dimensions 180mm(L) x 105mm (H) x 100mm (D)
- Mass 1.2kg



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



Contact Us

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