Water Level Sensor (WLS)

Water depth measurements you can trust

Applications

- Hydrological flow monitoring systems
- River level monitoring
- Flood warning systems
- Hydro-Met stations
- Borehole depth
- Sea level and tidal

Features and Benefits

- Vented, for improved performance accuracy
- Broad range of outputs
- Good long-term stability
- Robust and reliable
- Easy to maintain
- Excellent thermal performance

QMS ISO 9001 REGISTERED

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The application pictured above is for a system with a solar charging unit and a vented pressure sensor. This is an example of a bespoke solution, manufactured and installed by EML, built to suit our customers' needs.

The hydrostatic submersible transmitter has been designed for permanent submersion up to 100 metre depth. Different models are available depending upon the environmental requirements of the installation site. For instance, in addition to open channel applications, this product can also be used in corrosive media.

The WLS can be integrated as part of a Hydro-Met system also measuring rainfall, soil moisture, temperature etc. Contact EML for details.

Technical Specifications	
WLS (ceramic or silicon)	
Dimensions	ø 25mm x 150 mm
Measurement range (metres of water gauge)	0.5 – 100 mWG
Accuracy (Non-linearity)	<±0.25% / FS (BFSL) <±0.1% / FS (BFSL) optional
Operating temperature	-10…+85°C
Piezo-resistive sensor	Ceramic / Silicon
Supply voltage	6 – 32 VDC
Housing	Stainless steel
Current consumption	Typically 6mA
Probe options	2-wire / 3-wire / 4-wire
Outputs	4-20mA = 2-wire 0-5, 1-5, 0-10V = 3-wire

Ordering Information	
Order Code	**Product**
T-963-300	Submersible pressure transducer
Note:	Specific order code needed for mWG and output. Contact EML

* Technical specifications are guideline values. Enquire for specifications of specific models

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