

MINIATURE SUBMERSIBLE DATALOGGER LEVEL TRANSMITTER DL-MTM3211



PMC's Water Level Datalogger is a simple, effective and economical system designed to measure water level using a datalogger and pressure sensor. The Water Level Datalogger is valuable in level monitoring applications such as aquifer characterization, environmental remediation, well or tank level recording, combined sewer overflow and sanitary sewer overflow.

With a Datalogger, everything you need for level monitoring - recorder, sensor and cable comes in one simple and rugged package, pre-assembled and calibrated. The simplicity of the compact battery powered Datalogger enables you to put it to work, unattended, inside a 2" well within minutes of unpacking.

The Datalogger performs uninterrupted at a site, even as you collect data from its wrap-around memory. This paperless system records and stores data in its memory for later transfer to a computer for data review and reporting. Recorded data may be gathered from the DL-MTM3211 in the field by a portable PC operating on Windows software, or handheld data transfer unit. The handheld data transfer unit is especially convenient for gathering data from several dataloggers. At times when on-site data evaluation is required, a laptop and the communications package is all you need. Please contact PMC for further information on the Data Transfer Unit.

The submersible level sensor normally sold with the datalogger is the 0.39" diameter miniature version detailed below. However, PMC offers a range of other sensors in their VL Series which are detailed on separate data sheets. Please contact PMC or go to the website for more information.

TECHNICAL SPECIFICATIONS

Sensor	
Model	MTM3211
Full Scale Ranges (Zero Based)	Zero based, Full Scale Ranges from 35' of water to 1000' of water
Accuracy	±0.25% FS (±0.1% FS available contact PMC)
Dimensions	0.39" diameter x 3.4" length
Configuration	Welded Titanium housing with molded & potted cable
Temperature Range	25° to 125°F (-4° to +50°C) (non-freezing)
Temperature Effects (Compensated)	±1.5% total for 25° to 125°F, over 50 psi FS ±2% total for 25° to 125°F, up to 50 psi FS
Long Term Stability	0.1% FS per year for pressure ranges > 30 psi FS Prorated for ranges below 30 psi FS under standard conditions
Electrical (4 wire bridge)	mV compensated
Cable	Vented, Polyurethane-jacket depth cable with integral Kevlar strength element

PMC Engineering adopts a continuous development program which sometimes necessitates specification changes without notice

Process Measure Control

Features

Sensor

- 0.39" diameter
- 0.25% accuracy
- Piezoresistive sensor
- Ranges up to 500 psi

Datalogger

- 7 year battery life
- Windows software
- Installs in 2" wells

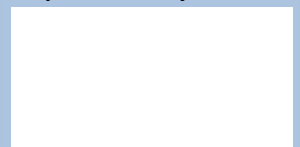
Applications

- ½" dia. Bore Holes
- Water Level
- Waste Water
- Oceanography
- Dams

Contact

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Represented by:



Your depth and level specialists for Ground, Surface, Sea and Waste Water

TECHNICAL SPECIFICATIONS

Datalogger	
Model	DL-MTM3211
Datalogger Temperature Range	-40° to 150°F (-40° to +65°C)
Sample Rate	Programmable from 1 reading per second to 1 reading per 8 hours
Data (Record) Interval	Data can be recorded at programmable intervals from 1 reading per second to 1 reading per 8 hours. Individual data points including min, average, and max can be selected.
Memory Capacity	128 Kbytes (≈80,000 data values)
Interface	RS-232; 300 to 19.2K baud
Connector	Circular 4-pin watertight
Battery Type	Single AA Lithium (Saft LS14500 or equal)
Battery Life	Up to 7 yrs depending upon sample rate and data record interval
Environmental	Rated NEMA 6 (IP67)
Enclosure	Vented 316 Stainless Steel - 6.7" long x 1.75" , 2.2lbs
System	
Static Accuracy	±0.25% of Full Scale BSL

RELATED PRODUCTS

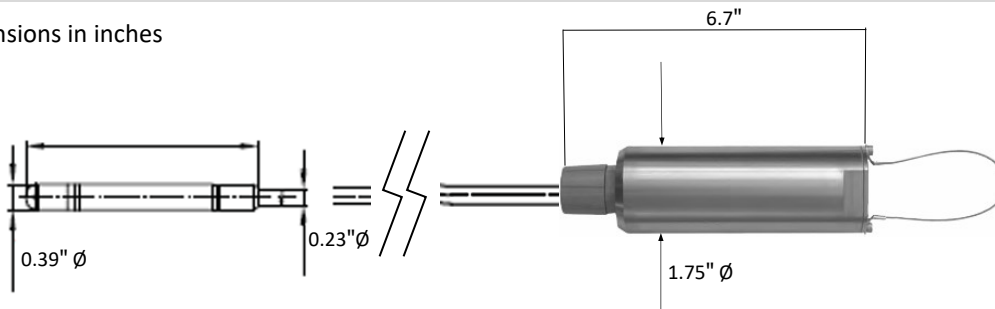


The VersaLine **VL4511** offers similar performance with a 3/4" diameter housing. A version of the **VL5000 Series** features a 1" diameter housing and both are compatible with the Datalogger.

PMC manufactures a wide range of other level transmitters including flush designs for use in water and wastewater management, food and beverage, pulp and paper, and pharmaceutical applications. Please refer to appropriate data sheets.

MECHANICAL DETAILS

Dimensions in inches



ORDERING INFORMATION

To order this product please specify DL-MTM3211 Datalogger Level Transmitter. Also specify the pressure range and required cable length between the sensor and datalogger. The product will be delivered fully assembled and set-up ready for use.

If other level sensors or features are required please contact PMC.

Please contact PMC for details of the communications package - CP1

Example ordering format: DL-MTM3211 - 20 psig - 50' cable - CP1

Process Measure Control

Sensors for

- Pressure
- Level
- Vacuum
- Humidity
- Temperature
- Force
- Position

Accessories

PMC offers a range of Accessories and variants for depth and level transmitters. Reference separate data sheet.

- Termination Enclosure
- Cable Hanger
- Moisture Protection
- Calibration Adaptor

- Sink Weights
- Level Meters

PMC is

- Engineering Driven
- Confidential
- Experienced
- Responsive
- Dynamic
- Friendly

Your depth and level specialists for Ground, Surface, Sea and Waste Water