



Precision Measurement in Real-World Environments

Rubicon's Precision Level Sensor delivers industry leading reliability in harsh measurement environments.

The Precision Level Sensor is specifically designed for the difficult environments encountered in level monitoring applications.

The Precision Level Sensor measures within its own controlled measurement environment. Measurements are unaffected by surrounding objects, debris, foam, silt and other contaminants.

The Precision Level Sensor features an integrated 'Reference-Mark', against which the sensor self-calibrates on every measurement. This Reference-Mark ensures that the sensor provides consistently accurate measurements independent of environmental disturbances.

- Integrated Ranging-Chamber permits laboratory accuracy in harsh field environments
- Self-Calibrates on every reading against precision Reference-Mark
- Modbus Data Interface

Technical Specifications

Measurement Range	800mm (31"), 1400mm (55")*
Measurement Accuracy	0.5mm (0.02")
Measurement Resolution	0.1mm (0.004")
Measurement Calibration	Automatically Self-Calibrating using Integrated Reference Mark
Data Interface	Modbus ASCII or Modbus RTU RS-485 or RS-232
Power Supply	12V DC (15 mA)
Environmental Operating Conditions	-10degC to 60degC 0% to 95% Relative Humidity
Enclosure Material	Marine-Grade Aluminium with Filtered Inlet Ports
Filter	0.5mm (0.02") mesh aperture, area 45cm ² (7 in ²).

* 1400mm Sensor Due For Release December 2007

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