

Water Stage Sensors

Series PS-2



RANGES

0-10 mH ₂ O	(15 psig, 0.10 MPa)
0-15 mH ₂ O	(22 psig, 0.15 MPa)
0-20 mH ₂ O	(30 psig, 0.21 MPa)
0-70 mH ₂ O	(100 psig, 0.69 MPa)
0-100 mH ₂ O	(150 psig, 1.03 MPa)
0-140 mH ₂ O	(200 psig, 1.38 MPa)

FEATURES*

- No Mercury
- Parts-per-billion Resolution
- Low Power Consumption
- 0.02% or Better Accuracy
- High Stability and Reliability
- Fully Calibrated and Characterized
- Easy Installation and Low Maintenance
- Bi-Directional RS-232 Intelligent Communications
- ISO 9001 Quality System – NIST Traceable

APPLICATION AREAS

Hydrology	Dam Height Monitoring
Tide Gauging	Manometer Replacement
Stream Gauging	Hydrostatic Tank Gauging

*Products defined by specification control drawing

Digiquartz® PS-2 Water Stage Sensors provide high accuracy, non-contact water level measurements when used in conjunction with gas-purge bubbler systems. Resolution is parts-per-billion with high accuracy even under difficult environmental conditions. Other desirable characteristics include low power consumption, high reliability, easy installation and low maintenance costs.

The PS-2 consists of a Digiquartz® Transmitter, over-pressure relief valve, and pressure and electrical connections installed in an environmental splash-proof enclosure. An Installation Kit, Programming and Operations Manual and free software are included for easy set-up and pressure-to-level calculations.

Commands and data requests are sent via the two-way RS-232 serial interface. Direct digital outputs in engineering units are provided with parts-per-billion resolution using the built-in, anti-aliasing IIR filter mode. The RS-232 serial interfaces allows complete remote configuration and control of all operating parameters, including resolution, sample rate, choice of engineering units, integration time, and sampling requests. Commands include: Single sample and send, synchronized sample and hold, continuous sample and send, and special burst sampling modes.

Free software is included for setup, configuration, sampling, display, data logging, and plotting.

Our Quality Management System is certified to the requirements of the ISO 9001 International Quality Standard. It provides consistency in our products and processes from design and development through production, calibration, test, and servicing. Our quality system and commitment to excellence ensure customers of outstanding products and services. We offer a **market-leading** five year limited **warranty** on all Digiquartz® Transducers with the first two years covered at 100%.



Paroscientific, Inc.
Digiquartz® Pressure Instrumentation