Specifications for Aquagauge Differential Pressure Water Level Sensor (AG-RFLCD Pressure) and Data Logger (AG-RFLOG)

Depth Range

- Standard temperature and barometric compensated pressure sensors available for depths 3, 7 and 15 meters.
- Calibrated for water.
- Vent tube available for any specified length up to 35 meters.
- Read volume in liters by user-programming tank diameter and liquid density into sensor (optional).

Maintenance

- Replace transmitter batteries every 12 months.
- Recommended rinse pressure sensor orifice every 12 months.

Materials in Contact with Liquid

- Nylon.
- Fiberglass-polyester.
- Crosslinked polyurethane.
- Zinc.
- Polyethlene.
- Silicone

Operating Conditions

- -5 to 70 °C.
- Salt-water, freeze and sediment tolerant probe.
- Transmitter/data logger unit sealed against dust and water to IP 65.
- Resin-encapsulated pressure and temperature sensor electronics.
- Impact resistant ABS and polycarbonate cases.

Electrical Power

- Data unit: operating voltage 6 to 12V, 4 x AA system standard.
- Receiver unit: single 9V PP3 cell or 4 x AA.

Dimensions

- Wireless transmitter/data logger case: 115x55x90 mm.
- Receiver/display unit : 135x70x24 mm.
- Sensor end-piece 20x40 mm (diameter x height).

Resolution and Accuracy

- 1, 2 and 4 mm water level resolution, depending on depth.
- Water level accuracy ± 2 cm.
- Water temperature resolution 0.1 °C
- External temperature accuracy ± 1 °C

Data Logger (AG-RFLOG)

- Windows PC setup and download/display software.
- User programmable start time and date.
- Data saved to text file.
- PC serial setup cable.
- Logging interval from 2 seconds to 12 hours.
- Optional disable RF data output.
- Specify number of data points.
- Data logger ID stamp.
- Water temperature displayed on RF receiver

Wireless Data Transmission

- Standard transmitter and receiver frequency 434 MHz.
- Data transmission every 10 seconds for AG-RFLOG and 6 seconds for AG-RFLCD.
- 500 m line-of-sight range with ¼ wave whip antenna (typical).
- Power output < 25 mW.
- Complies with Radio-communications (low interference potential devices) Class License.

Data Display Software (AG-RFLCD)

- RF receiver/display unit with optional serial data output port.
- Windows PC logging and charting software with real-time display of level and temperature.
- PC serial cable.
- Data saved to text file.