

## Specifications for Aquagauge Wireless Capacitance Water Level Sensor Models

### Depth Range

- Standard probe length 3.5 meters.
- User-adjustable length-reduction system.
- Customised probes available for any specified length up to 10 meters.

### Maintenance

- Replace transmitter batteries every 12 months.
- Recommended wipe clean sensing element cable every 6 months

### Materials in Contact with Water

- Brass.
- Copper.
- Teflon.
- Crosslinked epoxy and polyurethane.
- Lead-free solder.

### Operating Conditions

- -5 to 60 °C.
- Salt-water, sludge and freeze tolerant probe.
- Transmitter unit sealed against dust and water to IP 65, resin-encapsulated electronics.
- Impact resistant ABS and polycarbonate cases.

### Electrical Power

- Transmitter unit: operating voltage 6 to 12V, 4xAA batteries.
- Receiver unit: single 9V PP3 cell.

### Dimensions

- Wireless data transmitter case 115x55x90 mm.
- Receiver display unit 135x70x24 mm.
- Sensor end-piece 26x20 mm (diameter x height).

### Resolution and Accuracy

- 1 mm water level resolution.
- Water level accuracy  $\pm 2$  cm or  $\pm 2\%$ , whichever is larger.
- External temperature resolution 0.1 °C.
- External temperature accuracy  $\pm 1$  °C.

### Optional Accessories

- Serial data output port.
- Windows PC logging and charting software.
- PC serial cable.

### Wireless Data Transmission

- Standard transmitter and receiver frequency 433 MHz.
- Data transmission every 6 seconds approx.
- 300-600 m line-of-sight range with  $\frac{1}{4}$  wave whip antenna (typical).
- Power output < 25 mW.
- Complies with Radio-communications (low interference potential devices) Class License.