

Continuous Bubbler Sensor



The Compact Constant Flow Bubbler is a self-contained, precision device to measure water levels. It consists of a pump, tank, manifold, control board, display / keypad & enclosure.

The Compact Constant Flow Bubbler's built-in precision Pressure Sensor meets the high accuracy requirements for stream gaging & monitoring of River & reservoirs.

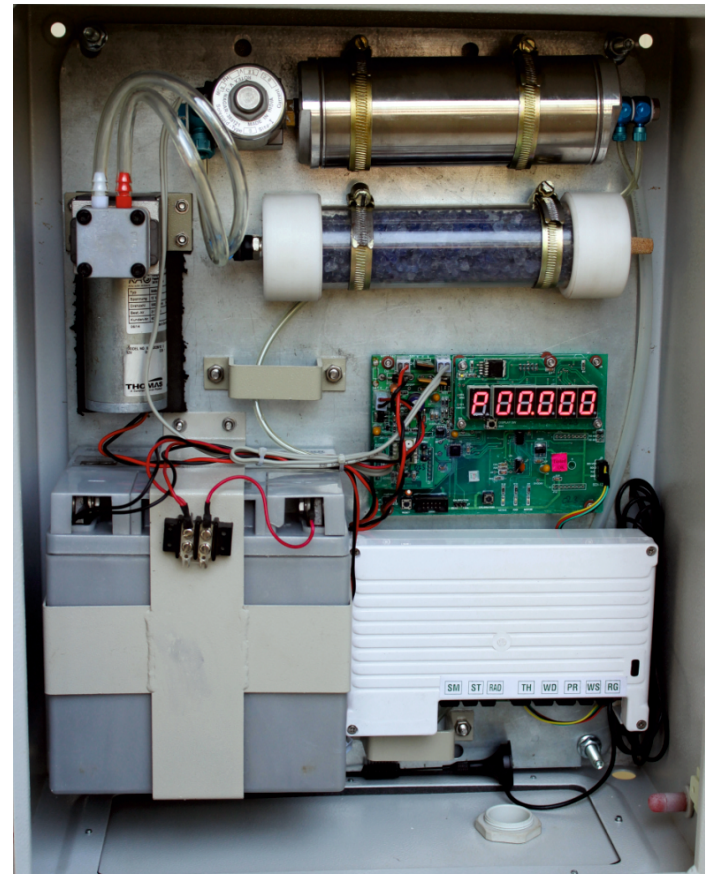
The Bubbler includes a built-in datalogger for stand-alone operation data recording, SDI-12 ports for communications and maintenance, and a desiccant kit.

Features:

- Self-contained system needing only battery power & outlet tubing/ orifice
- Long desiccant life
- Adjustable bubble rate
- Auto-zero function
- Supports SDI-12 protocol
- User-variable auto purge & user-forced purge option
- Flexible auto blockage detection
- Modifiable auto measurement & logging
- Stand-alone or operation with other logger's/communication devices
- Precision Pressure Sensor
- SDI-12/RS232 interfaces compatible with loggers

Applications

- Water Level Monitoring
- Dam Safety
- Tidal Monitoring
- Stream gauging



Technical Specifications:

Sensor Type: Continuous bubbling system and non-submersible transducer

Measurements : Water Level & Pressure
Auto measure Interval : 1 second to 24 hours
Range : 35 meters
Resolution : 3 mm or better
Accuracy : 0.02 % FSO
Output Interface : SDI-12 / Rs232

Desiccant : Silica gel, lasts up to a year
Outlet : Poly Urethane Tube
Operating Temperature Range : -40°C to +60°C
Operating Humidity Range : 0 to 95% non-condensing
Display Type : 7-segment LED Display
Power Requirements : 12 to 16 VDC
Max Current : 3 Amps

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