

In-Situ Level TROLL® 300

The Rugged TROLL 100 instrument is designed for long- and short-term groundwater and surface-water monitoring. The non-vented (absolute) instrument monitors and record changes in water level, pressure, and temperature.

Specifications

Temperature Range/Resolution

Operational: -20-80° C Storage: -40-80° C Calibrated: -5-50° C

Diameter

0.82 in (2.08 cm)

Length

9.0 in (22.9 cm)

Weight

0.54 lb (245 g)

Materials

Stainless steel body; Delrin® nose cone

Memory Data records 2 Data logs

1.0 MB 65,000 2

Fastest Logging & Modbus Rate: 2 per second

Fastest SDI-12 & 4-20 mA output rate: 1 per second

Log types

Linear, Fast Linear, and Event

Real-time clock

Accurate to 1 second/24-hr period

Range

30 psia: 35.8 ft/10.9 m 100 psia: 197.3 ft/60.1 m 300

psia: 658.7 ft/200.7 m



Burst pressure

Maximum 2x range; burst 3x range

Accuracy @ 15° C

±0.1% full scale (FS)

Resolution

±0.01% FS or better

Units of measure

Pressure: psi, kPa, bar, mbar, mmHg, inHg, cm H₂O, inH₂O Level: in, ft, mm, cm, m

Temperature Sensor

Silicon

Range: Calibrated: 23-122° F (-5-50° C)

Accuracy & Resolution: ±0.1° C; 0.01° C or better

In-Situ Level TROLL® 300

Applications

- Aquifer characterization
- Coastal deployments — tide/harbour levels, storm
- Surge systems, and wetlands research
- Construction and mine dewatering
- River, lake, and reservoir monitoring
- Stormwater management

Kit Includes

- TROLL® 300 Transducer
- Backshell hanger
- Case

Associated Rentals

- Rugged Baro TROLL®
- TROLLcom (USB or RS232), software CD

Accessories

- Suspension wire