

## 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 H<sub>2</sub>O, inH<sub>2</sub>O 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