

In-Situ Baro TROLL®

The Rugged Baro TROLL® measures and logs barometric pressure and temperature. Use in conjunction with one or more Level TROLL or Rugged TROLL instruments to compensate for changes in water due to barometric fluctuations.

Specifications

Temperature Ranges

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

Diameter

0.72 in (1.83 cm)

Length

8.5 in (21.6 cm)

Weight

0.43 lb (197 g)

Materials

Titanium body; Delrin nose cone, hanger, backend

Memory Data records 2 Data logs

1.0 MB 65,000 2 logs

Fastest logging rate

1 per minute

Log types

Linear

Real-time Clock

Accurate to 1 second/24-hr period

Range

0 to 16.5 psi; 0 to 1.14 bar

Burst Pressure

Vacuum/over-pressure above 16.5 psi damages sensor



Accuracy @ 15° C

±0.1% FS

Accuracy (FS)

±0.2% FS3

Resolution

±0.005% FS or better

Units of Measure

Pressure: psi, kPa, bar, mbar, mmHg, inHg, cmH2O, inH2O

Temperature Sensor

Silicon

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

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

Applications

- Monitor barometric pressure and temperature
- Conduct atmospheric research
- Calculate barometric efficiency

Kit Includes

- Baro TROLL®
- Backshell hanger

Associated Rentals

- TROLLcom (USB or RS232), software CD
- Vented Cable