Product specifications

Rugged TROLL 100 and 200 specifications

Temperature ranges[1]	Operational: 0 to 50° C (32-122° F) Storage: -40 to 80° C (-40 to 176° F) Calibrated: 0 to 50° C (32 to 122° F)
Diameter	2.62 cm (1.03 in.)
Length	14.43 cm (5.68 in.)
Weight	137 g (0.30 lb)
Materials	Titanium, Acetal, FKM Fluoroelastomer, Ceramic
Output options	Rugged TROLL 100: USB or RS232 via docking station Rugged TROLL 200: USB or RS232 via docking station; Modbus/RS485 or SDI-12 via Rugged TROLL 200 Cable; Wireless TROLL Com
Battery type & life[2]	3.6 V lithium; 10 years or 2M readings
External power	Rugged TROLL 100: NA Rugged TROLL 200: 8-36 VDC
Memory Data records[3] Data logs	2.0 MB 120,000 Rugged TROLL 100: 1 log; Rugged TROLL 200: 2 logs
Fastest logging rate	1 per second
Fastest output rate	Rugged TROLL 200 only: Modbus & SDI-12: 1 per second
Log types	Linear, Fast Linear, and Event
Sensor Type/Material	Piezoresistive; Ceramic
Range	9.0 m (30 ft) (Burst: 18 m; 60 ft) 30 m (100 ft) (Burst: 40 m; 134 ft) 76 m (250 ft) (Burst: 112 m; 368 ft)
Accuracy (FS)[4]	±0.1%
Resolution	±0.01% FS or better
Units of measure	Pressure: psi, kPa, bar, mbar, mmHg, inHg Level: in, ft, mm, cm, m
Temperature Sensor	
Accuracy	±0.3° C

Resolution	0.01° C or better
Units of measure	Celsius or Fahrenheit
Warranty	2 years
Footnotes	[1] Temperature range for non-freezing liquids [2] Typical battery life when used within the factory-calibrated temperature range [3] 1 data record = date/time plus 2 parameters logged (no wrapping) from device within the factory-calibrated temperature range, 360,000 total data points [4] Across factory-calibrated pressure and temperature ranges. Defined as greater than 98% of all readings fall within spec across temperature and pressure range Specifications are subject to change without notice. Delrin is a registered trademark of E.I. du Pont de Nemours and Company.

Rugged Baro TROLL specifications

General	Rugged Baro TROLL
Temperature ranges[1]	Operational: 0-50° C (32-122° F) Storage: -40-80° C (-40-176° F) Calibrated: 0-50° C (32-122° F)
Diameter	2.62 cm (1.03 in.)
Length	14.43 cm (5.68 in.)
Weight	137 g (0.30 lb)
Materials	Titanium body; Delrin nose cone, hanger, backend
Output options	USB or RS232 via docking station; Modbus/RS485 or SDI-12 via Rugged TROLL 200 Cable
Battery type & life[2]	3.6 V lithium; 10 years or 2M readings
External power	8-36 VDC
Memory Data records[3] Data logs	2.0 MB 120,000 2 logs
Fastest logging rate	1 per minute
Fastest output rate	Modbus & SDI-12: 1 per second
Log types	Linear
Sensor Type/Material	Piezoresistive; Ceramic

Range	7.0 to 30.0 psi; 0.5 to 2 bar
Accuracy (FS)[4]	±0.1%
Resolution	±0.01% FS or better
Units of measure	Pressure: psi, kPa, bar, mbar, mmHg, inHg
Temperature Sensor	
Accuracy	±0.3° C
Resolution	0.01° C or better
Units of measure	Celsius or Fahrenheit
Warranty	2 years
Footnotes	[1] Temperature range for non-freezing liquids [2] Typical battery life when used within the factory-calibrated temperature range. [3] 1 data record = date/time plus 2 parameters logged (no wrapping) from device within the factory-calibrated temperature range [4] Across factory-calibrated pressure range and temperature ranges. Defined as greater than 98% of all readings fall within spec across temperature and pressure range Specifications are subject to change without notice. Delrin is a registered trademark of E.I. du Pont de Nemours and Company.