



TRUBLUE 575 BARO DATA LOGGER

- Barometric Pressure Accuracy of $\pm 0.05\%$ FS TEB
- Five year permanent battery
- 8 MB internal memory
- New user-friendly TruWare software for PC or Mobile

The TruBlue 575 BARO Data Logger is an absolute non-submersible pressure transducer. This unit provides local atmospheric pressure data that can be used to compensate one or more submerged, non-vented water level transducers. An absolute format measures all pressure applied to it including atmospheric. If submerged, it measures the atmospheric pressure plus pressure exerted by the column of water above the sensor. A level value can be arrived at using two absolute transducers—one submerged and one at ground level—subtracting atmospheric pressure from the submerged transducer measuring water pressure.

The TruBlue 575 BARO is the perfect choice to measure barometric pressure when reliability, accuracy and precision matter.

Features

- Calibration Report included with each instrument
- New fully sealed design
- Two Year Warranty
- Easier set-up and data retrieval
- Displays real-time instrument status and data graphs
- RS-485 or SDI-12 communication interface

Applications

- Barometric Pressure Measurement
- Correction for Non-vented Transducers
- Remediation
- Surface Water Monitoring
- Groundwater Monitoring
- Oceanographic Research

TRUBLUE 575 BARO DATA LOGGER

Specifications

SENSORS – LEVEL

Sensor Type		Oil-filled Piezoresistive
Sensor Material		316 SS or Titanium
Range (psia)	Low	8
	High	16
Accuracy	0 – 50°C	±0.05% FS TEB
Resolution		0.01% FS or better
Burst		3 x FS (600 psi max)

Accuracy is stated as total error band (TEB). This includes the combined errors due to non-linearity, hysteresis, non-repeatability and thermal effects.

SENSORS – TEMPERATURE

Sensor Type		Embedded NTC Thermistor
Range (°C)	Low	0
	High	50
Accuracy		±0.2°C
Resolution		0.01°C

PHYSICAL

Diameter	inches	0.75
Length	inches	13.26
Weight	oz.	12

OPERATING CONDITIONS

Pressure (psia)	Low	8
	High	16
Temperature (°C)	Low	0
	High	50

ELECTRICAL

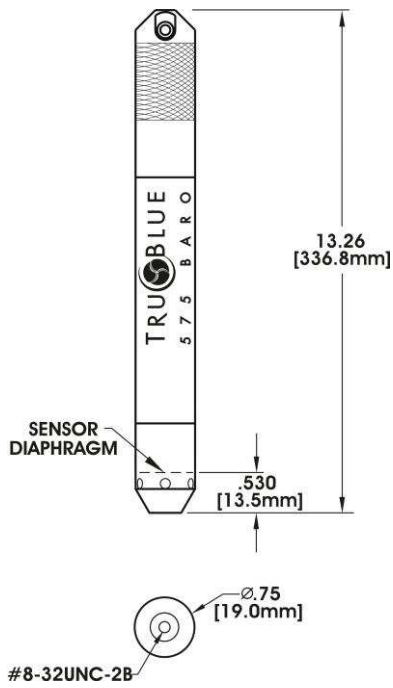
Internal Battery Type		3.6V lithium
Battery Life		5 years
On-Board Surge Protection		✓
External Power		6-16 VDC (1 mA sleep, 15 mA active)
Communication Interface		RS-485 (half duplex), SDI-12

DATA LOGGING

Memory		8 MB
Data Points		550,000
Clock Accuracy		2 min/year
Reading	Linear	1 per 5 seconds
	Linear Average	programmable
	Event	programmable
Fastest Logging Rate	Linear	5 per second
	Linear Average	programmable
	Event	programmable
Methods	Linear	✓
	Linear Average	✓
	Event	✓

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Dimensions



Software

Each unit comes with user-friendly TruWare software at no charge.

- View, graph, and export test data
- Manage transducers by site
- Easy to use in the field or office



Ordering Information

1. Pick your transducer

PART NUMBER	REFERENCE	MATERIAL
575-00100	Absolute	S
575-00110	Absolute	T

2. Communication cable options

MODEL	DESCRIPTION
850 00857	USB to Backshell Communication Cable

3. Other cabling options can be found in the TruBlue Accessories Catalog

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