

## TruBlue® 575 Baro



- Barometric Pressure Accuracy of  $\pm 0.1\%$  FS TEB
- Five year permanent battery
- 8 MB internal memory
- New user-friendly TruWare software for PC or Mobile



### DESCRIPTION

The 575 Baro 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

### APPLICATIONS

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

# TruBlue® 575 Baro

## SPECIFICATIONS

### SENSORS – LEVEL

Sensor Type	Oil-filled Piezoresistive		
Sensor Material	316 SS or Titanium		
Range (psia)	Low	8	
	High	16	
Accuracy	0 – 50°C	±0.1% FS TEB	
Resolution	0.01% FS or better		
Burst	0.005% FS		

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

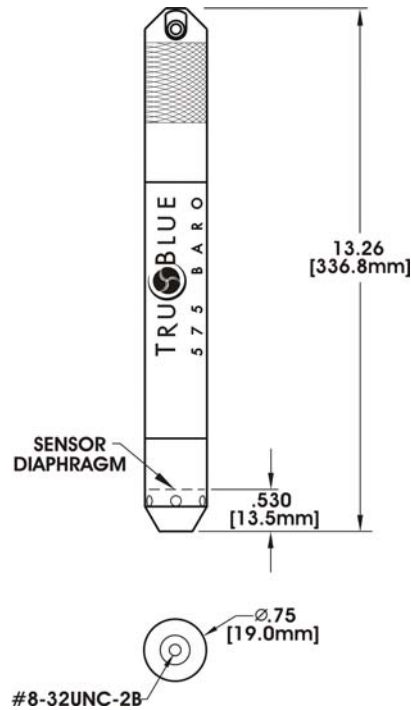
Internal Battery Type	3.6V lithium
Battery Life	5 years
On-Board Surge Protection	✓
External Power	6-16 VDC (1 mA sleep, 15 mA active)
Communication Interface	RS-485 (half duplex)

### DATA LOGGING

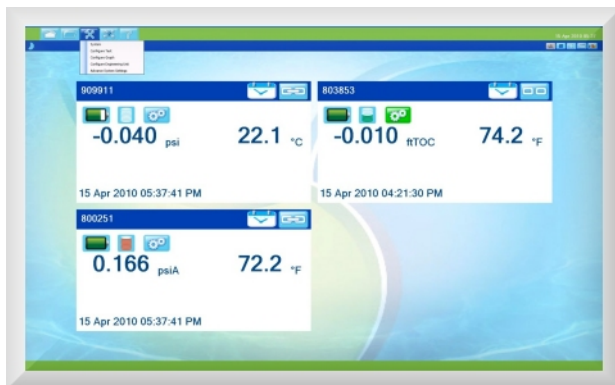
Memory	8 MB	
Data Points	550,000	
Clock Accuracy	2 min/year	
Reading	Linear	1 per 5 seconds
	Linear Average	programmable
	Event	programmable
Fastest Logging Rate	Linear	5 per second
	Linear Average	programmable
	Event	programmable
Methods	Linear	✓
	Linear Average	✓
	Event	✓

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## DIMENSIONS



## SOFTWARE



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

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

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## ORDERING INFORMATION

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

### NORTH AMERICA

Measurement Specialties  
1000 Lucas Way  
Hampton, VA 23666  
Tel: 1-800-328-3665; 757-766-1500  
Fax: 1-757-766-4297  
Email: [pvg.cs.amer@meas-spec.com](mailto:pvg.cs.amer@meas-spec.com)

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