

TruBlue® 555 Level



- Level Accuracy of $\pm 0.1\%$ FS TEB
- Five year permanent battery
- 8 MB internal memory for up to 550,000 data points
- New free user-friendly TruWare software for PC or Mobile included



DESCRIPTION

With our highly accurate KPSI level transducers, Measurement Specialties has long set the standard for top-quality environmental monitoring instruments. Now our next generation of data logging transducer models – the TruBlue 555 Level combines precision, performance, and rugged reliability like no other instrument available today. Designed to deliver time and time again in even the harshest conditions, the TruBlue 555 Level is battery powered and made with 316 stainless steel or titanium. A fully sealed design and advanced, power-conserving microcomputer technology enables it to log level (depth) and temperature for up to five years. Since these units do not require onsite power, nor a programmable logic controller (PLC), a terminal box isn't necessary.

The TruBlue 555 Level is the perfect choice 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

- Storm Water
- Remediation
- Pump Test
- Flood and Storm Surge
- Tide Gauging
- Wetlands
- Rivers and Streams

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SPECIFICATIONS

SENSORS – LEVEL

Sensor Type	Oil-filled Piezoresistive		
Sensor Material	316 SS or Titanium		
Range (psi)	Low	5	
	High	300	
Accuracy	0 – 50°C		±0.1% FS TEB
Resolution	0.01% FS or better		
Burst	3X 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	15.35
Weight	oz.	12

OPERATING CONDITIONS

Pressure (psi)	Low	5
	High	300
Temperature (°C)	Low	0
	High	50

ELECTRICAL

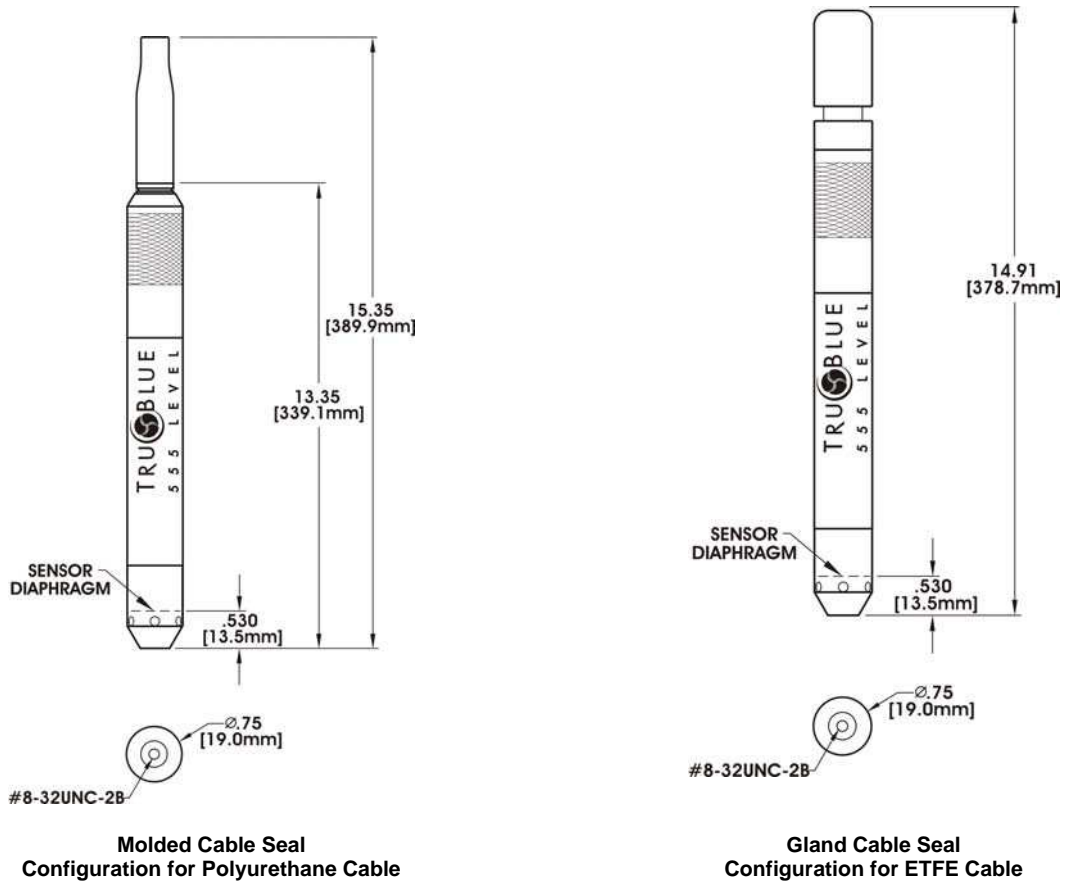
Internal Battery Type	3.6V lithium		
Battery Life	5 years		
On-Board Surge Protection	✓		
External Power	6-16 VDC (1 mA sleep, 15 mA active)		
Communication Interface	RS-485 (half duplex)		

DATA LOGGING

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

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ORDERING INFORMATION

PART NUMBER	RANGE (PSI)	REFERENCE	MATERIAL	LABEL
555-00100	5	V	S	11.5FT/3M
555-00110	5	V	T	11.5FT/3M
555-00200	15	V	S	35FT/10M
555-00210	15	V	T	35FT/10M
555-00300	22	V	S	50FT/15M
555-00310	22	V	T	50FT/15M
555-00400	30	V	S	59FT/21M
555-00410	30	V	T	59FT/21M
555-00420	30	A	S	35FT/10M
555-00430	30	A	T	35FT/10M
555-00500	50	V	S	115FT/35M
555-00510	50	V	T	115FT/35M
555-00520	50	A	S	81FT/23M
555-00530	50	A	T	81FT/23M
555-00600	100	V	S	231FT/70M
555-00610	100	V	T	231FT/70M
555-00620	100	A	S	196FT/56M
555-00630	100	A	T	196FT/56M
555-00700	125	V	S	288FT/87M
555-00710	125	V	T	288FT/87M
555-00720	125	A	S	254FT/72M
555-00730	125	A	T	254FT/72M
555-00800	300	V	S	692FT/211M
555-00810	300	V	T	692FT/211M
555-00820	300	A	S	658FT/188M
555-00830	300	A	T	658FT/188M

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