



TRUBLUE 555 LEVEL DATA LOGGER

- Level Accuracy of $\pm 0.05\%$ FS TEB
- Ten-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

With our highly accurate KPSI level transducers, TE Connectivity has long set the standard for top-quality environmental monitoring instruments. Now our next generation of water level data logger 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 ten years. Since these units do not require onsite power or 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
- 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

- Aquifer Characterization and Pump Tests
- Remediation
- Flood and Storm Surge, Stormwater
- Tide Gauging
- Wetlands Monitoring
- River and Stream Monitoring

TRUBLUE 555 LEVEL DATA LOGGER

Specifications

SENSORS – LEVEL		
Sensor Type		Oil-filled Piezoresistive
Sensor Material		316 SS or Titanium
Range (psi)	Low	0 - 5
	High	0 - 300
Accuracy	0 – 50°C	±0.05% 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		10 years @ 5-minute logging
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 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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Ordering Information

1. Pick a transducer model

PART NUMBER	RANGE (PSI)	REFERENCE	MATERIAL	LABEL
555-00100	5	V	S	11.5FT/3.5M
555-00110	5	V	T	11.5FT/3.5M
555-00200	15	V	S	34.61FT/10.55M
555-00210	15	V	T	34.61FT/10.55M
555-00300	22	V	S	50.8FT/15.5M
555-00310	22	V	T	50.8FT/15.5M
555-00400	30	V	S	69.2FT/21.1M
555-00410	30	V	T	69.2FT/21.1M
555-00420	30	A	S	35.3FT/10.8M
555-00430	30	A	T	35.3FT/10.8M
555-00500	50	V	S	115.4FT/35.2M
555-00510	50	V	T	115.4FT/35.2M
555-00520	50	A	S	81.5FT/24.8M
555-00530	50	A	T	81.5FT/24.8M
555-00600	100	V	S	230.7FT/70.3M
555-00610	100	V	T	230.7FT/70.3M
555-00620	100	A	S	196.8FT/60M
555-00630	100	A	T	196.8FT/60M
555-00700	125	V	S	288.4FT/87.9M
555-00710	125	V	T	288.4FT/87.9M
555-00720	125	A	S	254.5FT/77.6M
555-00730	125	A	T	254.5FT/77.6M
555-00800	300	V	S	692.2FT/211M
555-00810	300	V	T	692.2FT/211M
555-00820	300	A	S	658.3FT/200.6M
555-00830	300	A	T	658.3FT/200.6M

2. Communication cable options

MODEL	DESCRIPTION
850 00857	USB to Backshell Communication Cable

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

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