

## MEAS TruBlue® 585 CTD



- Level Accuracy of  $\pm 0.1\%$  FS TEB
- Conductivity Accuracy 1% of reading or 20 microsiemen/centimeter
- 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® 585 CTD 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® 585 CTD 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, or a programmable logic controller (PLC), a terminal box isn't necessary.

The TruBlue® 585 CTD is the perfect choice to measure conductivity and depth 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

- Aquifer Characterization
- Saltwater Intrusion
- Flood and Storm Surge
- Tide Gauging
- Oceanographic Research
- Surface Water Monitoring
- Groundwater Monitoring

# MEAS TruBlue® 585 CTD

## SPECIFICATIONS

### SENSORS – CONDUCTIVITY

Sensor Type	4 Electrode Cell	
Sensor Material	Epoxy / Graphite	
Range (microsiemens/centimeter)	Low	5
	High	200,000
Accuracy	1% of reading	
Resolution	One microsiemen/centimeter	
Normalization	Programmable	

### 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	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	17.25
Weight	oz.	16

### OPERATING CONDITIONS

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

### ELECTRICAL

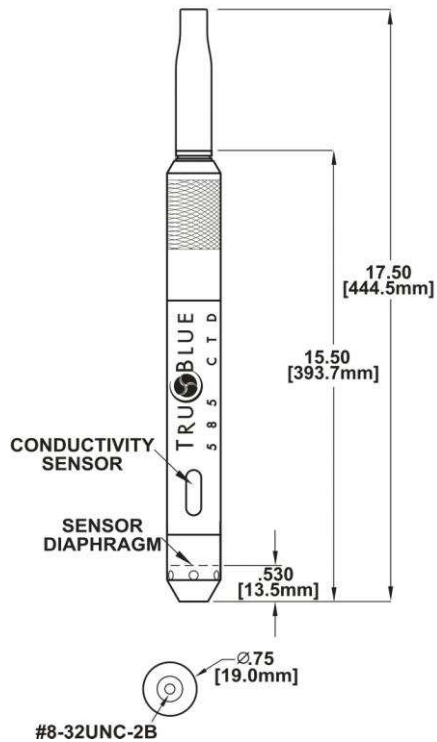
Internal Battery Type	3.6V lithium	
Battery Life	5 years	
On-Board Surge Protection	✓	
External Power	6-16 VDC (1 mA sleep, 15 mA active)	
Communication Interface	RS-485 (half duplex)	

### DATA LOGGING

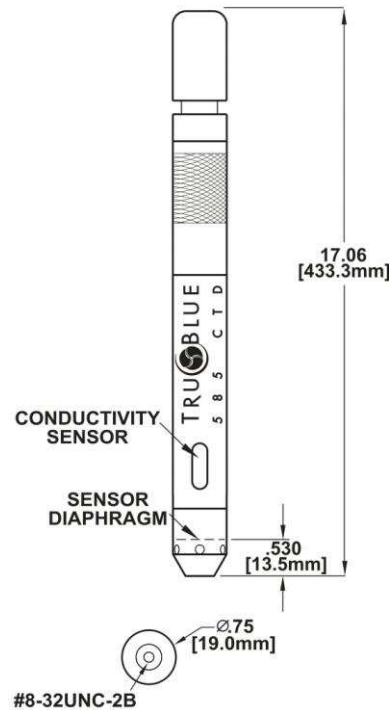
Memory	8 MB	
Data Points	550,000	
Clock Accuracy	2 min/year	
Reading	Linear	1 per 5 seconds
	Linear Average	programmable
	Event	programmable
Fastest Logging Rate	Linear	5 per second
	Linear Average	programmable
	Event	programmable
Methods	Linear	✓
	Linear Average	✓
	Event	✓

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## DIMENSIONS



**Molded Cable Seal**  
Configuration for Polyurethane Cable



**Gland Cable Seal**  
Configuration for ETFE Cable

## 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
585-00100	5	V	S	11.5FT/3M
585-00110	5	V	T	11.5FT/3M
585-00200	15	V	S	35FT/10M
585-00210	15	V	T	35FT/10M
585-00300	22	V	S	50FT/15M
585-00310	22	V	T	50FT/15M
585-00400	30	V	S	59FT/21M
585-00410	30	V	T	59FT/21M
585-00420	30	A	S	35FT/10M
585-00430	30	A	T	35FT/10M
585-00500	50	V	S	115FT/35M
585-00510	50	V	T	115FT/35M
585-00520	50	A	S	81FT/23M
585-00530	50	A	T	81FT/23M
585-00600	100	V	S	231FT/70M
585-00610	100	V	T	231FT/70M
585-00620	100	A	S	196FT/56M
585-00630	100	A	T	196FT/56M
585-00700	125	V	S	288FT/87M
585-00710	125	V	T	288FT/87M
585-00720	125	A	S	254FT/72M
585-00730	125	A	T	254FT/72M
585-00800	300	V	S	692FT/211M
585-00810	300	V	T	692FT/211M
585-00820	300	A	S	658FT/188M
585-00830	300	A	T	658FT/188M

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