



## TRUBLUE 285 CT DATA LOGGER

- Conductivity Accuracy 1% of reading or 20  $\mu\text{S}/\text{cm}$
- Five year permanent battery
- 8 MB internal memory for up to 550,000 data points
- User-friendly TruWare software included at no charge

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 data logger, the TruBlue 285 CT 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 285 CT data logger 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 conductivity and temperature for over five years. Since these units do not require onsite power or a programmable logic controller (PLC), a terminal box isn't necessary.

The TruBlue 285 CT data logger is the perfect choice to measure conductivity and temperature when reliability, accuracy and precision matter.

### Features

- Two Year Warranty
- Simple 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
- Saltwater Intrusion Studies
- Flood and Storm Surge
- Tide Gauging
- Oceanographic Research
- Surface Water Monitoring
- Groundwater Monitoring

### Specifications

#### SENSORS – CONDUCTIVITY

Sensor Type	4 Electrode Cell	
Sensor Material	Epoxy / Graphite	
Range (microsiemens/centimeter)	Low	5
	High	200,000
Accuracy	1% of reading or 20 $\mu\text{S}/\text{cm}$	
Resolution	1 $\mu\text{S}/\text{cm}$	

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### SENSORS – TEMPERATURE

Sensor Type		Embedded NTC Thermistor
Range (°C)	Low	0
	High	50
Accuracy		±0.1°C
Resolution		0.01°C

### PHYSICAL

Diameter	inches	0.75
Length	inches	8.82
Weight (with cap)	oz.	8.3 (Stainless Steel)
		4.6 (Titanium)

### OPERATING CONDITIONS

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

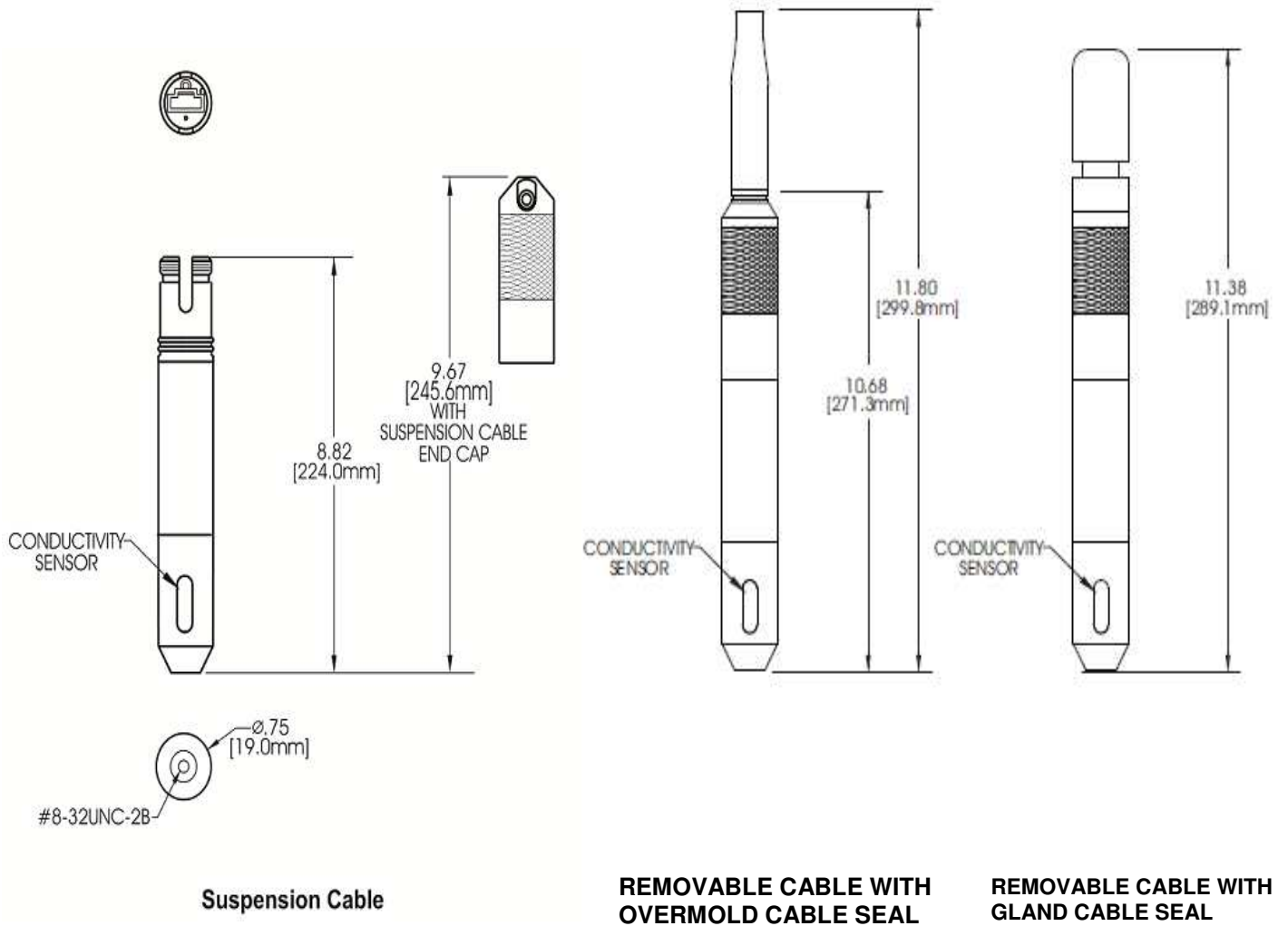
### ELECTRICAL

Internal Battery Type	3.6V lithium
Battery Life	5 years
On-Board Surge Protection	✓
External Power	6-16 VDC (2 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

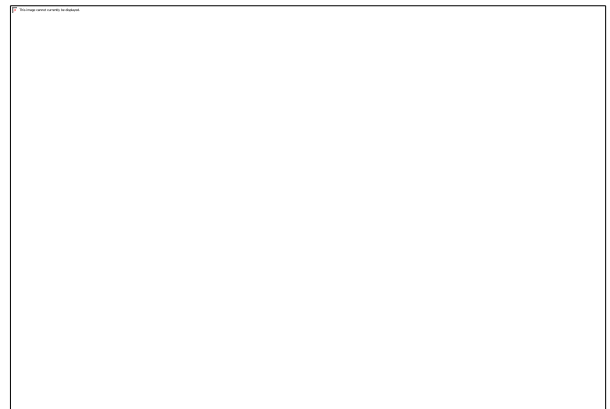
**Dimensions**



**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



# TRUBLUE 285 CT DATA LOGGER

## Ordering Information

### 1. Choose your Data Logger Model

PART NUMBER	MATERIAL
285-00000	Stainless Steel
285-00010	Titanium

### 2. Choose your Deployment / Interface Cable Options (if needed)

PART NUMBER	DESCRIPTION
851-00XXX	Direct Read Interface Cable– Stainless Steel Backshell and Poly Cable
851-01XXX	Direct Read Interface Cable – Titanium Backshell and ETFE Cable
851-02XXX	Direct Read Interface Cable – Titanium Backshell and Poly Cable
852-00XXX	Stainless Steel Suspension Cable – Stainless Steel Backshell
852-01XXX	Stainless Steel Suspension Cable – Titanium Backshell

Note: (XXX) = Cable length in Feet

### 3. Choose your Communication Cable Options (if needed)

MODEL	DESCRIPTION	NOTES
850-00856	USB to Hirose Communication Cable	For communication when installed with 851 Direct Read Interface Cable
850 00857	USB to Backshell Communication Cable	For programming / direct communication between USB and datalogger
850-00858	Hirose to Flying Leads Cable	Enables connection directly to terminals requiring flying leads

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

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