



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 $\mu\text{S}/\text{cm}$	

TRUBLUE 285 CT DATA LOGGER

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

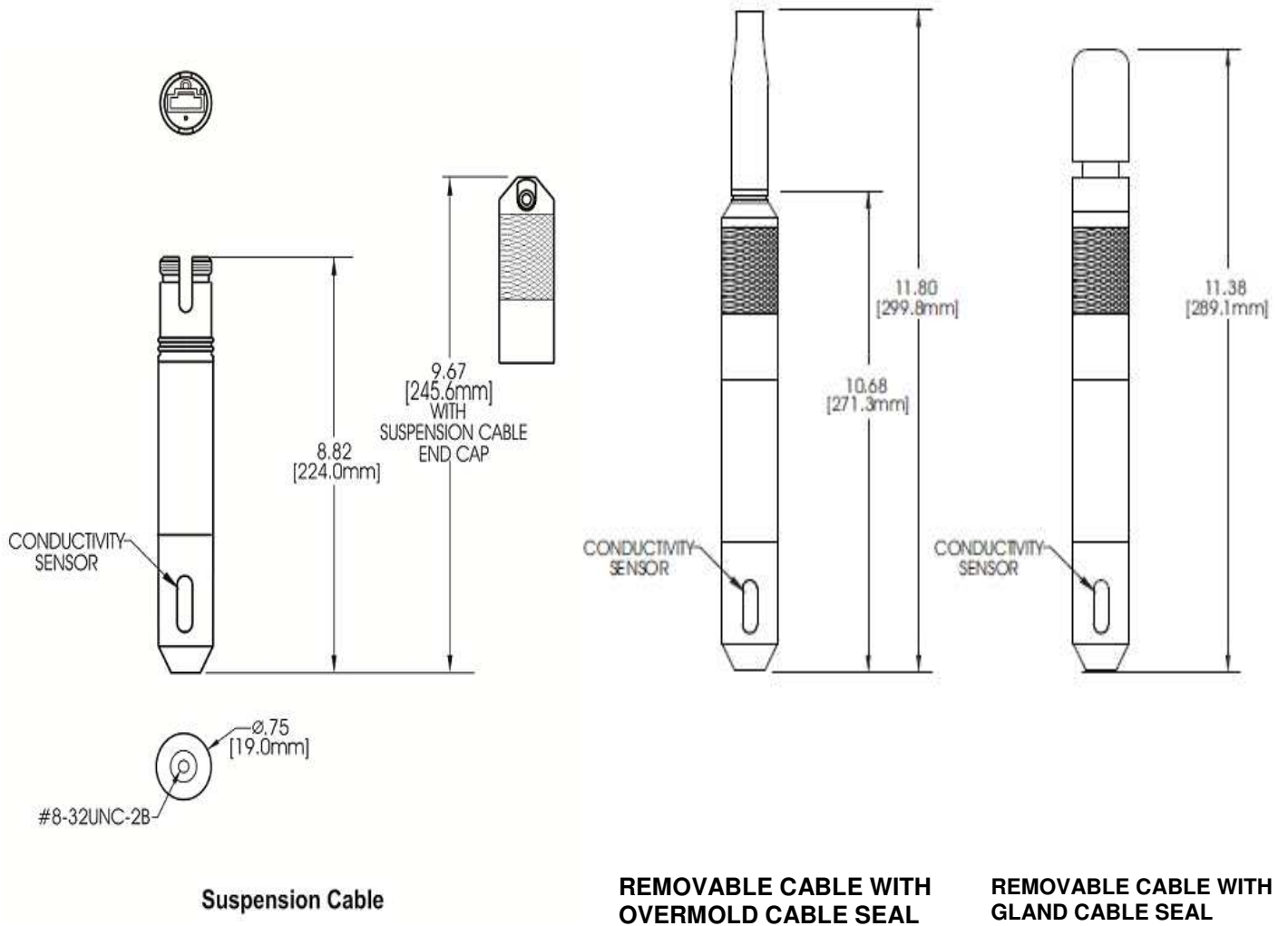
ELECTRICAL

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

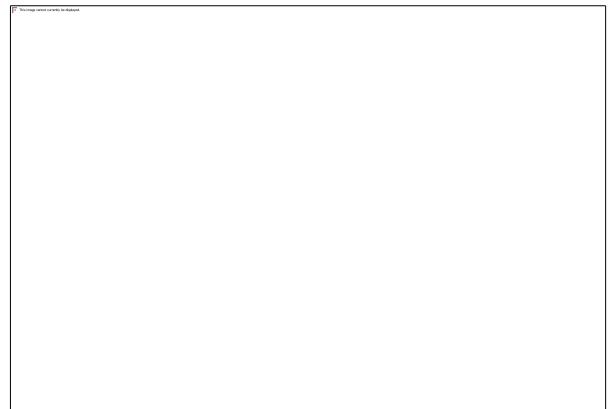
Dimensions



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

NORTH AMERICA

Measurement Specialties, Inc.,
a TE Connectivity company
1000 Lucas Way
Hampton, VA 23666
Tel : 1-757-766-1500
Fax : 1-757-766-4297
Toll Free: 1-800-745-8008
Email: WL.Sales@te.com

EUROPE

Measurement Specialties (Europe), Ltd.,
a TE Connectivity company
26 Rue des Dames
78340 Les Clayes-sous-Bois, France
Tel : +33 (0) 130 79 33 00
Fax : +33 (0) 134 81 03 59
Email: customercare.lcsb@te.com

ASIA

Measurement Specialties (China), Ltd.,
a TE Connectivity company
No. 26 Langshan Road
Shenzhen High-Tech Park (North)
Nanshan District, Shenzhen 518057 China
Tel : +86 755 3330 5088
Fax : +86 755 3330 5099
Email: customercare.shzn@te.com

te.com/sensorsolutions

Measurement Specialties Inc., a TE Connectivity company.

Measurement Specialties (MEAS), American Sensor Technologies (AST), TE Connectivity, TE Connectivity (logo) and EVERY CONNECTION COUNTS are trademarks. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2016 TE Connectivity Ltd. family of companies All Rights Reserved.