



# CyberScan Series 100

for Conductivity & TDS  
(Total Dissolved Solids)



CyberScan CON 100 Meter  
Conductivity / °C

CyberScan CON 200 Meter  
Conductivity / TDS / °C / RS 232C



- Microprocessor Based
- User Customizable Setup
- Auto-ranging Across 5 Ranges
- Stores/Recalls 16 Data Sets
- Adjustable Temperature Coefficient For Maximum Accuracy
- Self Diagnostic Messages
- RS 232C Communication Port

The standard CyberScan CON 100/200 Conductivity meters are equipped with an Application Specific Integrated Circuit (ASIC). The ASIC microprocessor provides many advanced features that offer users flexibility through customizable setup functions, while maintaining a user-friendly interface.

#### USER CUSTOMIZATION

The CyberScan Series 100 allows for customization by the discerning user. Functions include: • READY • Auto-off • Temperature Coefficient • TDS (Total Dissolved Solids) Factor • Normalization Temperature • Cell Constant • Memory • Communication Protocol.

#### MULTI-PARAMETER MEASUREMENT

At the push of a button, the CON 200 meter switches from conductivity to TDS measurement mode with the corresponding TDS factor.

#### AUTO-RANGING WITH EXTENDED RANGE

The CyberScan CON 100/200 meters are quick to detect the appropriate range. This eliminates guesswork of selecting the required range. All meters measure conductivity across 5 ranges, and TDS (CON 200 only) in either ppm-ppt or mg/l-g/l.

#### MEMORY AND COMMUNICATION

Up to 16 data sets can be stored in a non-volatile memory which prevents data loss even when meter is powered off. A RS232 port (CON 200) concealed at the bottom of the instrument enables transfer of data (via cable) to a printer or a computer for analysis. Data acquisition software (EC-DAS-200) and RS232C cable are included.

#### EASY-TO-READ DISPLAY

The large LCD (Liquid Crystal Display) shows both primary (Conductivity or TDS) and secondary (Temperature) values measured, complete with mode and units of measure. Graphic symbols and self-diagnostic message codes provide user comprehensive information for easy and trouble-free operation.

Specifications: CyberScan CON Series		CON100	200
Conductivity Range	0 to 19.99, 199.9, 1999 $\mu$ S/cm; 19.99, 199.9 mS/cm	•	•
TDS Range	0 to 9.99, 99.9, 999 ppm; 9.99, 99.9 ppt, Max. 199.9 ppt based on factor setting		•
Resolution	0.05% Full Scale	•	•
Accuracy	$\pm$ 1% Full Scale or $\pm$ 1 digit	•	•
TDS Factor	0.40 to 1.00 (Selectable)	•	•
TDS Units	ppm & ppt or mg/l & g/l		•
Temperature Range	0.0 to 80.0 $^{\circ}$ C	•	•
Resolution	0.1 $^{\circ}$ C	•	•
Accuracy	$\pm$ 0.5 $^{\circ}$ C	•	•
Cell Constant (k)	0.1, 1.0 & 10.0 (Selectable)	•	•
Temperature Compensation	Automatic/manual (From 0 to 80 $^{\circ}$ C)	•	•
Temperature Coefficient	0.0 to 10.0%/ $^{\circ}$ C (Selectable)	•	•
Normalization Temperature	20.0 or 25.0 $^{\circ}$ C	•	•
No. Of Calibration Points	5; Maximum 1 per range	•	•
Auto-Ranging	Yes	•	•
Hold Function	Yes	•	•
Auto Power-Off	Selectable	•	•
Averaging/Stability (READY)	Selectable	•	•
Memory	16 Data Sets	•	•
Inputs	BNC, phono, power jack	•	•
Output	RS 232C		•
Operating Range	0 to 50 $^{\circ}$ C	•	•
Display	Custom LCD	•	•
Power Requirements	4 'AAA' batteries AC/DC adapter 9V, 500 mA	•	•
Battery Life	> 100 hours	•	•
Dimension/Weight	Meter: 18 x 9 x 4cm ; 220g Boxed: 24 x 23 x 7cm ; 600g	•	•



- 1 Large customized LCD
- 2 Neat storage of cable
- 3 RS 232C (CON 200)
- 4 Electrode holder



#### SELECTABLE TEMPERATURE COEFFICIENT

All meters allow users to select appropriate Temperature Coefficient values for precise measurement.

#### ELECTRODE WITH BUILT-IN TEMPERATURE SENSOR

The electrode is specially designed for low volume measurement with minimum bubble entrapment. Wetted materials include 2 platinum rings, glass and epoxy, all of which have good chemical durability and are excellent for most applications.

#### INNOVATIVE DESIGN

Eutech hand-held meters are ergonomically designed for both convenient one-hand field operation and routine laboratory use as a bench top. Aesthetic attachments include an electrode holder which allows convenient positioning of electrode, a cable winder which provides space for storage of excess cable and a sturdy hinge for bench top measurements.

#### WARRANTY

Eutech Instruments warrants its meters free from manufacturing defects for 3 years and electrodes for 6 months.

*Eutech also provides meter accessories and calibration standards. Refer to separate brochures for information.*

The CyberScan series are registered under U.S. Patent #354,921. Patents outside U.S. are pending.

#### ORDERING INFORMATION

Order No.	Item
EC-CON100/03	CyberScan CON 100 meter with EC-CONSEN21B
EC-CON200/03N	CyberScan CON 200 meter with EC-CONSEN21B, EC-DAS-200 and EC-CA01M09F09
EC-CONSEN21B	Epoxy body conductivity electrode (k=1.0) with 2 platinum rings and built-in temperature sensor
EC-CONSEN71B	Epoxy body conductivity electrode (k=0.1) with 2 platinum rings and built-in temperature sensor
EC-CONSEN81B	Epoxy body conductivity electrode (k=10.0) with 2 platinum rings and built-in temperature sensor
EC-CA01M09F09	RS 232C communication cable
EC-POUCH-02	Carrying pouch for meter

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