



CyberScan Series 10

for Conductivity & TDS
(Total Dissolved Solids)



CyberScan CON 10 Meter
Conductivity / TDS / °C



- Microprocessor Based
- Auto Ranging Capability
- One Point Calibration For Each Range
- Large, Easy-to-read Display
- Self Diagnostic Messages
- Ready Function
- Auto Power-off



The Basic CyberScan CON 10 Conductivity/TDS meter is equipped with an Application Specific Integrated Circuit (ASIC). The ASIC microprocessor provides a high level of sophistication with several advanced features, while maintaining a user-friendly interface.

MULTI-PARAMETER MEASUREMENT

CyberScan CON 10 meter measures Conductivity, TDS (Total Dissolved Solids) and Temperature, all in a single meter.

AUTO-RANGING CAPABILITY

The CON 10 meter is quick to detect the appropriate measurement range automatically. This eliminates guesswork of selecting the required range.

MULTI-POINT CALIBRATION

The meter supports up to 4 calibration points guaranteeing high levels of full-range accuracy with 1 calibration point per range.

HOLD AND AUTO POWER-OFF FUNCTIONS

HOLD function freezes value for later reading and recording. CON 10 powers-off automatically 20 minutes after last key selection. This conserves and extends battery life.

EASY TO READ DISPLAY

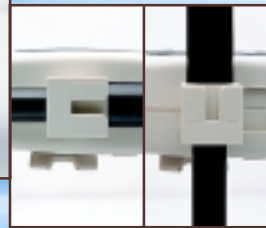
The large LCD (Liquid Crystal Display) shows both primary (Conductivity or TDS) and secondary (Temperature) values measured, complete with mode and units of measure. Graphic symbols and self-diagnostic with message codes provide user comprehensive information for easy and trouble-free operation.

AVERAGING/STABILITY

READY indicates when the reading is stable. It eliminates inconsistency due to drift in measurements and ensures improved repeatability.

Specifications: CyberScan CON 10 Meter

Conductivity Range	0 to 19.99, 199.9, 1999 μ S/cm; 19.99 mS/cm
TDS Range	0 to 9.99, 99.9, 999 ppm; 9.99 ppt
Resolution	0.05% Full Scale
Accuracy	\pm 1% Full Scale +1 digit
TDS Factor	0.5
Temperature Range	0.0 to 80.0 $^{\circ}$ C
Resolution	0.1 $^{\circ}$ C
Accuracy	\pm 0.5 $^{\circ}$ C
Temperature Coefficient	2% per $^{\circ}$ C
Cell Constant (k)	1.0
Temperature Compensation	Automatic/manual (from 0 to 80 $^{\circ}$ C)
No. Of Calibration Points	4; Maximum 1 per range
Auto-Ranging	Yes
Hold Function	Yes
Auto Power-Off	Yes
Averaging/Stability (READY)	Yes
Display	Custom LCD
Inputs	BNC, phono, power jack
Operating Range	0 to 50 $^{\circ}$ C
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 Hinge
- 4 Electrode holder



ELECTRODE WITH BUILT-IN TEMPERATURE SENSOR

The electrode is specially designed for low volume measurement and minimum bubble entrapment. Wetted materials include stainless steel 316 and epoxy, both of which have good chemical durability and are excellent for normal applications.

SPLASH-PROOF KEYPAD

Keypad is splash-proof and designed for easy finger touch operation. Tactile feedback confirms key selection eliminating guesswork.

INNOVATIVE DESIGN

Eutech hand-held meter is 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 meter free from manufacturing defects for 3 years and electrode 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-CON10/03N	CyberScan CON 10 meter with EC-CONSEN41B
EC-CONSEN41B	Epoxy body conductivity electrode (k=1.0) with 2 stainless steel pins and built-in temperature sensor
EC-CON-CYBERKT	Carrying case with calibration solutions
EC-POUCH-02	Carrying pouch for meter

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