Conductivity/TDS

CyberScan Series 510

3 Year Warranty

ISO 9001 CERTIFIED

CyberScan CON 510 Meter
Conductivity /TDS / °C / °F

- Microprocessor-Based

- ±1% full scale accuracy

- User Customisable Functions

- Single & Multi-point Automatic / Manual Calibration

- Auto-ranging Capability

- 50 Memory Data Sets

- Large, Easy-to-read Display

- Self Diagnostic Messsages

EUTECH INSTRUMENTS
Technology Made Easy ...

Splash-proof Keypad

2-stainless Steel Rings Electrode With ATC

Large Customised LCD

Slide-out Instruction Card

The CyberScan CON 510 Conductivity and Total Dissolved Solids (TDS) meter is equipped with new generation Application Specific Integrated Circuit (ASIC) that provides ample sophistication with advanced features, while maintaining a user-friendly interface.

SINGLE-POINT AND MULTI-POINT AUTOMATIC OR MANUAL CALIBRATION

The meter allows single or multi-point calibration (up to 4 points) in the automatic mode that provides quick, effortless calibration. In addition, manual calibration (up to 5 points) allows non-standards solutions to conform to individual's requirements for best meter accuracy.

CUSTOMISABLE FUNCTIONS

The CyberScan CON 510 meter allows for customisation by the discerning user. Customisable functions include: Cell constant • Temperature Coefficient • Normalisation Temperature • TDS Factor • Auto-off • Ready • Default setup • View electrode diagnosis

AUTO-RANGING CAPABILITY

The meter automatically detects and displays the appropriate measurement range thus eliminating guesswork.

NON-VOLATILE MEMORY

Up to 50 sets of Conductivity or TDS readings with temperature values ($^{\circ}$C/$^{\circ}$F) can be stored and recalled from the meter's non-volatile memory for report generation.

ADJUSTABLE PARAMETERS

Appropriate Temperature Coefficient and the correct cell constant can be set for accurate and precise measurements.

AUTO-HOLD AND READY FUNCTION

Stabilised measured readings are automatically held when Auto-hold function is activated. Ready function informs user when readings stabilise for easy reading and data-log into memory.

AUTOMATIC TEMPERATURE COMPENSATION

Built-in Automatic Temperature Compensation (ATC) ensures reliable readings under fluctuating temperature conditions.

EASY-TO-READ DISPLAY

The large custom LCD (Liquid Crystal Display) provides optimum viewing of measured values with units of measure. Graphical icons and self-diagnostic message codes provide user with comprehensive information for trouble-free operation.

INNOVATIVE DESIGN

A handy slide-out instruction card serves as a reference guide for keypad functions and troubleshooting. Keypad is splash-proof to protect the meter from accidental spills. Tactile feedback during operation confirms key selection. Non-skid pads immobilise meter during operation. Integral electrode holder saves space by neatly accommodating electrodes for hands-free operation.

ELECTRODE WITH BUILT-IN TEMPERATURE SENSOR

The conductivity electrode has a built-in temperature sensor and is specially designed to minimise bubble entrapment during measurement. Minimum electrode maintenance is required and the sensor materials used have good chemical durability.

WARRANTY

The CyberScan CON 510 meter is supplied with a 3-year warranty from manufacturing defects and 6 months for electrode.

Specifications: CyberScan CON 510 Meter	
Conductivity Range	0 – 20.00, 200.0, 2000 uS/cm; 20.00, 200.0 mS/cm
Resolution	0.01, 0.1, 1 uS/cm; 0.01, 0.1 mS/cm
Accuracy	±1% full scale + 1 digit
TDS Range	0 – 10.00, 100.0, 1000 ppm; 10.00, 100.0 ppt max 200 ppt depending on factor setting
Resolution	0.01, 0.1, 1 ppm; 0.01, 0.1 ppt
Accuracy	±1% full scale + 1 digit
Temperature Range	-10.0 to +110.0 $^{\circ}$C (14.0 to 230 $^{\circ}$F)
Resolution	0.1 $^{\circ}$C (±0.1 $^{\circ}$F)
Accuracy	±0.5 $^{\circ}$C (±0.9 $^{\circ}$F)
Temperature Compensation	Automatic/Manual (0 to 80 $^{\circ}$C)
Normalisation Temperature	15.0 to 30.0 $^{\circ}$C (adjustable)
Calibration	Automatic (single or multi-point up to 4 points – 1 per range)
	Manual (single or multi-point up to 5 points – 1 per range)
Cell Constant (k)	0.1, 1.0, 10.0
Conductivity to TDS Conversion Factor	0.40 to 1.00 (adjustable)
Memory	50 data sets
Auto-ranging	Yes
Averaging / Stability (READY) / Auto-hold	Yes (selectable)
HOLD function	Yes
Display	Custom Dual LCD
Input	6-pin connector (for Conductivity/TDS and Temperature)
Power Requirements	9 VDC, 230 VAC or 120 VAC
Dimension / Weight	Meter: 18 x 23 x 6 cm; 570 g Boxed: 40 x 26 x 9 cm; 1400 g

ORDERING INFORMATION

Order No.	Item
EC-CON510/03S	CyberScan CON 510 meter with EC-CONSEN91W and integral electrode holder
EC-CONSEN91W	Ultem body Conductivity electrode (k=1.0) with 2 stainless steel rings and built-in temperature sensor
EC-120-ADA	AC/DC power adapter (120VAC, 50/60 Hz)
EC-220-ADA	AC/DC power adapter (220VAC, 50/60 Hz)

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

Note: Eutech reserves the right to make changes, improvements and modifications to products shown.

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