



Eutech manufactures a comprehensive range of laboratory and field instrumentation for water analysis. Eutech also produces on-line process instruments for water quality monitoring and control. Innovative products from Eutech include:

- (a) Pocket-sized Testers
- (b) Waterproof Testers
- (c) Waterproof Hand-held Meters
- (d) Laboratory Bench Meters
- (e) Industrial Process Controllers
- (f) Hand-held Meters



Design of Eutech's hand-held meter are patented under the United States Patent Law, patent number: 354 921. Patent rights in other areas are pending.

ISO 9001
CERTIFIED

WORLD-WIDE SALES AND SERVICE SUPPORT
Eutech provides world-wide sales and service support for all its products through its network of international distributors. Contact Eutech for details of your nearest distributor.

Note: We reserve the right to make changes, improvements and modifications to products shown.

EUTECH
INSTRUMENTS
Technology Made Easy ...

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Ordering Information

Order No.	Item
EC-PH10/O1N*	CyberScan pH 10 meter with EC-PH-TEM01P
EC-PH100/O1N*	CyberScan pH 100 meter with EC-PH-TEM01P, EC-DA-2000 and EC-CA01M09F09
EC-FE72521-01B	Epoxy-body single junction pH electrode (1 m cable)
EC-FE72522-01B	Epoxy-body double junction pH electrode (1 m cable)
EC-FE73528-01B	Epoxy-body 3-in-1 pH/Temp. combination electrode (1 m cable)
EC-FE79601-01B	Epoxy-body single junction ORP electrode (1 m cable)
EC-FE79602-01B	Epoxy-body double junction ORP electrode (1 m cable)
EC-PH-TEM01P	Temperature probe for CyberScan series
EC-CON10/O3N*	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-CON100/O3	CyberScan CON 100 meter with EC-CONSEN21B
EC-CON200/O3N*	CyberScan CON 200 meter with EC-CONSEN21B, EC-DA-2000 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-PHCON10	CyberScan PC 10 meter with EC-COMBIO3M
EC-COMBIO3M	Combined pH combination electrode with 2-pin stainless steel conductivity electrode with ATC, 3-metre cable length
EC-DO100	CyberScan DO 100 meter with EC-DOHANDY and EC-DOHANDYKT
EC-DOHANDY	Submersible dissolved oxygen electrode with 3-metre cable (1.7 x 2.3cm)
EC-DOHANDYKT	DO probe maintenance kit for EC-DOHANDY
EC-POUCH-02	Carrying pouch for meter
EC-PHMP-KIT	pH carrying kit with buffer solutions
EC-CONWP-KIT	Conductivity carrying kit with calibration solutions
EC-220-ADA	220 VAC power adapter (50/60 Hz)
EC-120-ADA	120 VAC power adapter (50/60 Hz)
EC-DA-2000	Data Acquisition Software (CD-ROM)
EC-CA01M09F09	CyberScan to PC (RS 232C) communication cable, 9-pin male to 9-pin female connector (1 m cable length)
EC-MICROPRNTR01	Serial Impact Micro-Printer (110 VAC)
EC-MICROPRNTR02	Serial Impact Micro-Printer (220 VAC)

* Order Nos. ending with suffix "N" are new integrated version meters with additional features.

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Water Testing On The Go ...

CyberScan

Corporate Profile

A Leader In The Field of Electrochemical Instrumentation

Eutech Instruments is a dynamic company rapidly positioning itself globally as a leading manufacturer of electrochemical instrumentation for water analysis.

A pioneer in developing ASIC-based (Application Specific Integrated Circuit) instruments, Eutech Instruments has gained international awards and recognition for its achievements in sensor technology, software programming and product design. Underlying its strong commitment to Research & Development,

is the constant drive by Eutech engineers to apply new, emerging technologies to the design and manufacture of advanced electrochemical instruments. Eutech offers a comprehensive range of laboratory and field instrumentation for water analysis and continuous on-line process instruments for monitoring and control of pH, Conductivity, Total Dissolved Solids, Redox Potential (ORP) Turbidity and Dissolved Oxygen (DO).

Eutech's products are certified to comply with global standards for electromagnetic emission and interference.

Eutech Instruments is dedicated to producing convenience products for water analysis.

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Accessories

CALIBRATING SOLUTIONS/SACHETS

Eutech Instruments offers a useful range of calibrating solutions for pH and Conductivity/TDS. They come in bottles or single use sachets; also available are pre-treatment and cleaning solutions.

CYBERKIT

Made of reinforced plastic with a protective die-cut foam lining, the CyberKit contains calibrating sachets and sample bottles, as well as compartments for storing the meter and electrode. Perfect for outdoor and field use.

MICROPRINTER

This compact dot-matrix microprinter can be easily linked to meters with RS 232 C option via computer cable. Ideal for data recording and report generation purpose.

POUCH

This handy carrying pouch allows the meter to be strapped onto the belt, therefore freeing the user's hand for handling other equipment.

AC/DC ADAPTER

With the optional external AC/DC adapter, users can power the meter from the electrical mains outlet; voltage setting at either 110 or 220 VAC.



CyberScan pH 10

pH / mV / °C



The economy CyberScan pH 10[®] 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.

- **3-Point Push-Button Calibration** ensures high accuracy
- **Auto-buffer recognition** minimises calibration errors
- **Large LCD** displays primary and secondary values simultaneously
- **HOLD function** freezes readings for later review
- **Self-diagnostic messages** provide comprehensive information

Specifications: CyberScan pH 10 Meter	
pH	Range 0.00 to 14.00 pH
	Accuracy ±0.01 pH
	Resolution 0.01 pH
Temperature	Range 0.0 to 100.0 °C
	Accuracy ±0.5 °C
	Resolution 0.1 °C
mV (Extended)	Range ±400.0 mV
	Accuracy ±0.2 mV
	Resolution 0.1 mV
mV	Range ±2000 mV
	Accuracy ±2 mV
	Resolution 1 mV
No. Of Calibration Points	Up to 3 points
Buffer Options	pH4.01, 7.00, 10.01
Averaging/Stability (READY)	Yes
Auto-Off	Yes
Power Requirements	4 'AAA' Batteries AC/DC Adapter 9V, 500 mA
Battery Life	> 50 hours

Shipping Information: Dimensions/Weight:

Meter: 18(L) x 9(B) x 4(H) cm ; 220g
Boxed: 24(L) x 23(B) x 7(H) cm ; 600g

ⓐ Features of former pH 20 meter are now integrated into the pH 10.

CyberScan pH 100

pH / mV / Rel. mV / °C / RS 232

The Application Specific Integrated Circuit (ASIC) based CyberScan Series 100[®] pH meter is designed for both laboratory and field use.

- **Up to 5-point calibration** maximises full range accuracy
- Permits **user customization** of setup functions and communication protocols
- **Auto Buffer Recognition** minimises calibration errors
- **Multi-Parameter Measurement** options to measure pH and temperature or millivolt for ORP (Redox) and Ion concentration measurement
- Built-in **Automatic Temperature Compensation (ATC)** guarantees high level of accuracy even under varying temperature conditions
- Memory input and recall of up to 16 sets of data and **non-volatile** memory system
- **Data transfer** to a printer or computer for analysis is possible through a RS 232 port
- **Large LCD** displays primary and secondary values simultaneously
- **Self diagnostic messages** provide user comprehensive information

Specifications: CyberScan pH 100 Meter	
pH	Range -2.00 to 16.00 pH
	Accuracy ±0.01 pH
	Resolution 0.01 pH
Temperature	Range 0.0 to 100.0 °C
	Accuracy ±0.5 °C
	Resolution 0.1 °C
mV	Range ±400.0 / ±2000 mV
	Accuracy ±0.2 / ±2 mV
	Resolution 0.1 / 1 mV
Relative mV	Range ±400.0 / ±2000 mV
	Accuracy ±0.2 / ±2 mV
	Resolution 0.1 / 1 mV
No. Of Calibration Points	Up to 5 points
Buffer Options	pH1.68, 4.01, 7.00, 10.01, 12.45
Memory	Yes (16 Sets)
Averaging/Stability (READY)	Yes (Selectable)
Auto-Off	Yes (Selectable)
User Customisation	Yes
Slope/Offset Display	Yes
Printing Option	Yes (RS 232 C)
Power Requirements	4 'AAA' Batteries AC/DC Adapter 9V, 500 mA
Battery Life	> 50 hours



ⓑ Features of former pH 200 meter are now integrated into the pH 100.

CyberScan CON 10

Conductivity / TDS / °C



The economy class of CyberScan conductivity hand-held meter. CyberScan CON 10[®] measures both conductivity/°C and TDS/°C.

- **Auto-Ranging Capability** eliminates guesswork
- **Up to 4-point Calibration** guarantees full-range accuracy
- **HOLD function** freezes value for later review. Meter **powers-off automatically** 20 minutes after last key selection
- **Large LCD** displays primary and secondary values simultaneously

Specifications: CyberScan CON 10 Meter	
Conductivity	Range 0 to 19.99, 199.9, 1999 µS/cm; 19.99, 199.9 mS/cm
	TDS Range 0 to 9.99, 99.9, 999 ppm; 9.99, 99.9, 999 ppt
	Accuracy ±1% Full scale +1 digit
Temperature	Range 0.0 to 80.0 °C
	Accuracy ±0.5 °C
	Resolution 0.1 °C
TDS Factor	0.5
No. Of Calibration Points	4; Maximum 1 per range
Cell Constant	1.0
Auto-Ranging Capability	Yes
Averaging/Stability (Ready)	Yes (Selectable)
Auto-Off	Yes
Battery Life	> 50 hours

SELECTION GUIDE

Parameter	pH	mV	Rel mV	RS 232	Memory	µS/cm	TDS	D.O.
pH 10	*	*						
pH 100	*	*	*	*	*			
DO 100					*			*
CON 10						*	*	
CON 100					*	*	*	
CON 200			*	*	*	*	*	
PC 10	*					*	*	

CyberScan CON 100/200

Conductivity / TDS / °C / RS 232

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

- **Up to 5-point calibration** maximises full range accuracy
- **Auto-Ranging Capability** quickly detects appropriate measurement range; eliminates guesswork
- Memory input and recall of up to 16 sets of data and **non-volatile memory** system
- **Self-Diagnostic** function with icons and annunciators to guide and inform users on any aspect of the meter's operation
- **User-Selectable functions** like toggling the unit of measurement from ppm to mg/l and ppt to g/l, normalisation temperature either at 20°C or 25°C, selectable TDS factor and temperature coefficient
- **Data transfer** to a printer or computer for analysis is possible through a RS 232 port (for CyberScan CON 200)
- **Large LCD** makes reading easy and displays both primary (conductivity or TDS) and secondary (temperature) values, complete with mode and measurement units. Trouble-free operation is ensured by graphic symbols and error message codes

Specifications: CyberScan CON Series		CON100	200
Conductivity	Range	0 to 19.99, 199.9, 1999 µS/cm; 19.99, 199.9 mS/cm	• •
	TDS Range	0 to 9.99, 99.9, 999 ppm; 9.99, 99.9, 999 ppt	• •
	Accuracy	±1% Full scale +1 digit	• •
Temperature	Range	0.0 to 80.0 °C	• •
	Accuracy & Resolution	±0.5 °C & 0.1 °C	• •
	TDS Factor	0.4 to 1.0 (Selectable)	• •
No. Of Calibration Points	5; Maximum 1 per range	• •	
Cell Constant	0.1, 1.0, 10.0 (Selectable)	• •	
Auto-Ranging Capability	Yes	• •	
Averaging/Stability (Ready)	Yes (Selectable)	• •	
Auto-Off	Yes (Selectable)	• •	
Memory	Yes (16 Sets)	• •	
User Customisation	Yes	• •	
Printing Option	Yes (RS 232 C)	• •	
Battery Life	> 50 hours	• •	



Ⓒ Features of former CON 300 meter are now integrated into the CON 200.

CyberScan PC 10

pH / Conductivity / °C



The CyberScan Series 10 Multi-parameter 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.

- **Rugged multi-parameter submersible** probe reads pH, Conductivity and temperature
- **Up to 3-point pH calibration and 4-point Conductivity calibration** ensures full range accuracy and linearity
- **Built-in Automatic Temperature Compensation (ATC)** guarantees high level of accuracy even under varying temperature conditions
- **Large LCD** makes reading easy and displays both primary (pH or conductivity) and secondary (temperature) values, complete with mode and measurement units
- **HOLD function** freezes value for later review. Meter **powers-off automatically** 20 minutes after last key selection

Specifications: CyberScan PC 10 Meter	
pH	Range 0.00 to 14.00 pH
	Resolution 0.01 pH
	Accuracy ±0.01 pH
Conductivity	Range 0 to 19.99, 199.9, 1999 µS
	Resolution 0.01, 0.1, 1 µS
	Accuracy ±1% Full scale or ±1 digit
Temperature	Range 0.0 to 100.0 °C
	Resolution 0.1 °C
	Accuracy ±0.5 °C
Conductivity Cell Constant (K)	1.0
Conductivity Temperature Coefficient	2.00% per °C
Temperature Compensation	Automatic from 0 to 50 °C
Operating Temperature	0 to 50 °C
Power Requirements	4 'AAA' Batteries AC/DC Adapter 9V, 500 mA
Battery Life	> 50 hours

CyberScan DO 100

Dissolved Oxygen (mg/l / ppm / %) / °C

The CyberScan DO 100 Dissolved Oxygen meter is equipped with an Application Specific Integrated Circuit (ASIC) which provides many advanced features.

- Meter switches measurement mode from mg/l or ppm to % saturation at a push of a button
- **Pressure and Salinity Compensation** gives accurate results
- **Galvanic cell** allows instantaneous measurements minimising polarisation errors
- Built-in **electrode diagnosis** provides electrode condition information
- **Rugged multi-parameter submersible** DO probe withstands rigours of portable use, minimal maintenance
- Permits **user customization** of setup functions
- Memory input and recall of up to 16 sets of data and **non-volatile memory** system
- **HOLD function** freezes value for later review. Meter **powers-off automatically** 20 minutes after last key selection

Specifications: CyberScan DO 100 Dissolved Oxygen Meter	
Dissolved Oxygen	Range 0.00 - 20.00 mg/l or ppm
	Resolution 0.01 mg/l; 0.01 ppm
	Accuracy ±1.5% Full scale
% Saturation	Range 0.0 - 200.0%
	Resolution 0.1%
	Accuracy ±1.5% Full scale
Temperature	Range 0.0 - 50.0 °C
	Resolution 0.1 °C
	Accuracy ±0.3 °C
Salinity Correction	Range 0.0 - 50.0 ppt
	Method Manual input
	Barometric Pressure Correction
Probe	Method Galvanic
	3-metre cable length
	Response Time 40 seconds to achieve 93% of the reading
No. Of Calibration Points	Single point at 100% (in saturated air) or in air saturated water
Power Requirements	4 'AAA' batteries ; AC/DC adapter 9V, 500 mA
Battery Life	> 50 hours
Operating Range	0 to 50 °C



Main Features

