



Series

CyberScan pH 1000



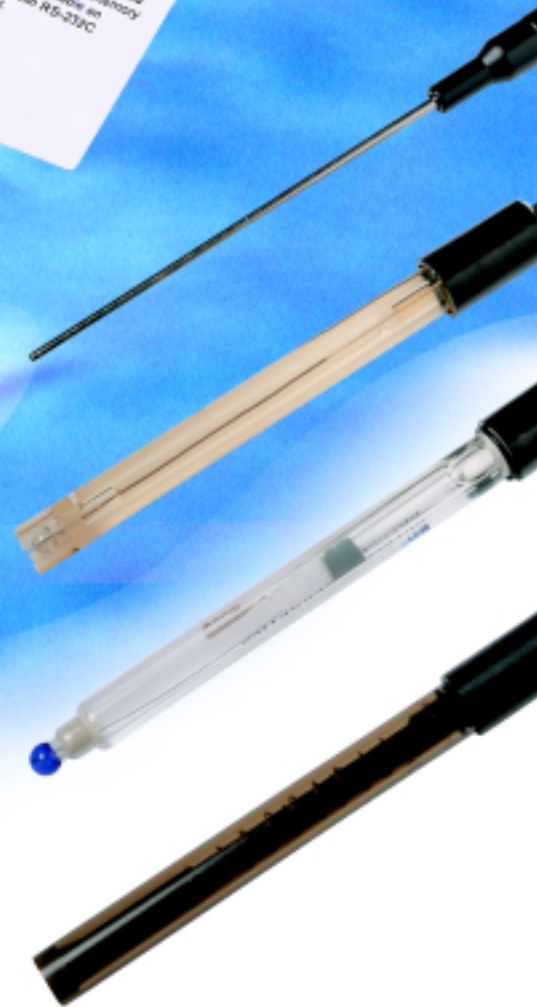
CyberScan pH 1000 Meter

pH / mV / Rel. mV / °C / RS 232C

CyberScan pH 2500 Meter

pH / Ion / mV / Rel. mV / °C / RS 232C

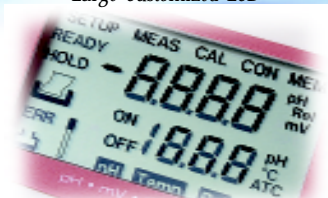
- Microprocessor Based
- User-programmable Functions
- Multi-point Calibration With Auto Buffer Recognition
- Alarm & Timer Functions
- Data Logging Capability
- Bi-directional RS 232 Communication
- Large Easy-to-read LCD
- Self Diagnostic Messages



Splash-proof Keypad



Large Customized LCD



Back Panel



RS 232C Interface



The CyberScan Series 1000 pH 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

The CyberScan pH 1000 measures pH, mV, Rel mV and temperature, while the CyberScan pH 2500 has the additional capability of measuring Ion Concentration directly.

USER CUSTOMIZATION

The SETUP mode allows the user to configure the meter to specific requirements. Customizable functions include: • pH resolution • Data log/print criteria • Auto-off • READY • Default setup • Communication protocol.

MULTI-POINT CALIBRATION

Up to 5-point calibration with standard pH buffer options maximises full range accuracy. Auto buffer recognition minimises calibration errors and built in Automatic Temperature Compensation ensures reliability of measurement under fluctuating temperature conditions. A special CAL/EDIT function even allows the user to input non-standard buffer values for calibration.

LIMIT ALARM AND TIMER

Audible alarm alerts user when measurements exceed preset high or low set-points. Timer for time lapse measurement freezes last measured value and beeps when set time is reached.

DATA LOG/PRINT AND BI-DIRECTIONAL RS 232 COMMUNICATION

A RS 232C port provides convenience to log or print data when READY or at preset timed intervals up to 24 hours. It also allows greater flexibility for user to control meter functions from computer with a Data Acquisition Software (packaged with unit). Data can be downloaded for analysis in any spreadsheet program.

NON-VOLATILE MEMORY

Up to 16 sets of data can be stored in a non-volatile memory which prevents data loss even when meter is powered off.

EASY-TO-READ DISPLAY

The large LCD (Liquid Crystal Display) displays both primary (pH, mV, or Ion concentration) and secondary (temperature) values measured, complete with mode and units of measure. Graphic symbols and error message codes provide user comprehensive information for easy trouble-free operation.

INNOVATIVE DESIGN

A handy slide-out instruction card serves as a quick reference guide for keypad functions and troubleshooting. Keypads are splash-proof to protect the meter from accidental spills. Tactile feedback during operation confirms key selection. Non-skid rubber pads immobilise meter to keep it in a firm position during operation.

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 #371,748. Patents outside U.S. are pending.

Specifications: CyberScan pH Series	pH1000	2500
pH Range	-2.00 to +15.99 pH	• •
Resolution	0.1/0.01 pH (selectable)	• •
Accuracy	±0.1/0.01 pH (selectable)	• •
Concentration Range	0.00 to 9999	•
Resolution	±1 least significant digit	•
Accuracy	±5% of reading	•
Millivolt Range	-1999 to +1999 mV	• •
mV Range (Extended)	-399.9 to +399.9 mV	• •
Resolution	0.1 mV (within ±399.9 mV); 1 mV (beyond ±400 mV)	• •
Accuracy	±0.2 mV (within ±399.9 mV); ±2 mV (beyond ±400 mV)	• •
Temperature Range	0.0 to 100.0 °C	• •
Resolution	0.1 °C	• •
Accuracy	±0.5 °C	• •
Temperature Compensation	Automatic/manual (From 0 to 100 °C)	• •
Calibration Points	5 points (pH 1.68, 4.01, 7.00, 10.01, 12.45) - editable	• •
Hold Function	Yes	• •
Averaging/Stability (READY)	Yes	• •
Display	Custom LCD	• •
Inputs	BNC, phono, ATC, power jack	• •
Outputs	RS 232, recorder	• •
Power	9V DC adapter for	• •
Requirements	120 VAC or 220 VAC, 200mA	• •
Dimension / Weight	Meter: 18 x 23 x 6cm ; 570g Boxed: 40 x 26 x 9cm ; 1400g	• •

ORDERING INFORMATION

Order No.	Item
EC-PH-1000/01	CyberScan pH 1000 meter with EC-PH-TEMB01P, EC-DAS010 and EC-CA01M09F09
EC-PH-2500/01	CyberScan pH 2500 meter with EC-PH-TEMB01P, EC-DAS010 and EC-CA01M09F09
EC-FG73504-01B	Glass body refillable pH combination electrode (1m)
EC-FE72522-01B	Epoxy body double junction pH electrode (1m)
EC-PH-TEMB01P	Temperature probe
EC-CA01M09F09	RS 232C communication cable
EC-120-ADA	AC/DC power adapter (120 VAC, 50/60 Hz)
EC-220-ADA	AC/DC power adapter (220 VAC, 50/60 Hz)

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