



CyberScan

pH 11/110

for pH & mV



CyberScan pH 11 Meter
pH / mV / °C

CyberScan pH 110 Meter
pH / mV / °C / °F / RS 232C



• Microprocessor Based

• 5-point Push Button Calibration

• Auto Buffer Recognition

• User Customisable Setup

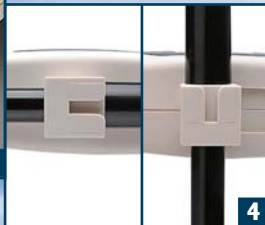
• Stores/Recalls 100 Data Sets

• Large, Easy-to-read Display

• Choice of pH Buffer sets: USA, NIST, DIN, Low Ionic

• RS 232C Communication Port





- 1 Large customised display
- 2 Built-in meter stand
- 3 RS232C
- 4 Electrode holder
- 5 Kit set



The CyberScan pH 11 / 110 meters are equipped with new generation Application Specific Integrated Circuits (ASIC) that provide many advanced features and user customisable options while maintaining a user-friendly interface. Battery or AC mains powered, these meters are ideal for lab and field pH measurements.

USER CUSTOMISATION OPTIONS

Among the several user customisable options are: • pH resolution • READY indication • Auto-Off • User reset • Memory • pH buffer standards.

MULTI-POINT CALIBRATION

Up to 5-point calibration with standard pH buffer options maximises full range accuracy. Auto-buffer recognition minimises calibration errors. Built-in Automatic Temperature Compensation (ATC) ensures reliability of measurements under fluctuating temperature conditions.

MULTI-PARAMETER MEASUREMENT

Besides pH and temperature measurement modes, the meter can be set to millivolt mode for ORP (Redox) or indirect ion concentration measurements.

EASY-TO-READ DUAL DISPLAY

The custom designed dual LCD (Liquid Crystal Display) is extremely easy to read. It displays primary and secondary modes simultaneously complete with units of measure. Graphical icons and self-diagnostic message codes provide user comprehensive information for easy operation.

MEMORY AND COMPUTER INTERFACE

Up to 100 data sets can be stored in a non-volatile memory which prevents data loss even when meter is powered off. A RS232 port (pH 110) at the bottom of the instrument enables transfer of data (via cable) to a printer or a computer for analysis. Data Acquisition Software and cables are included.

SELF DIAGNOSTIC MESSAGES

Examples of Self-diagnostic information are: • Electrode Characteristics (pH Slope & Offset) • Relative mV Offset • Calibrated Values.

INNOVATIVE DESIGN

The pH 11 / 110 meters are innovative and ergonomic in design. Meters are designed for convenient one-hand field operation and table top laboratory use. Keypad is splash-proof and designed for easy finger touch operation. Aesthetic attachments include electrode holders for pH and temperature electrodes and a built-in meter stand for table top measurements. A rugged carrying case enables compact and convenient storage of meter, electrode, calibrating solutions and accessories helpful for field testing.

WARRANTY

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

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

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

Meter Specifications:						
	pH 11			pH 110		
	Range	Resolution	Accuracy	Range	Resolution	Accuracy
pH	-2.00 to 16.00	0.01	±0.01	-2.00 to 16.00	0.01	±0.01
mV	-1999 to +1999	1	±2	-1999 to +1999	1	±2
Extended						
mV	-199.9 to +199.9	0.1	±0.2	-199.9 to +199.9	0.1	±0.2
Temp. °C	-10 to 110	0.1	±0.5	-10 to 110	0.1	±0.5
Temperature °F	—	—	—	14 to 199.9 200 to 230	0.1 1	0.9 0.9
Relative mV Offset Display	—			Yes		
Slope %	80 to 120			80 to 120		
Memory	50			100		
Output	—			RS 232C		
Auto-hold	—			Yes		
pH Buffer	USA	:	pH 1.68, 4.01, 7.00, 10.01, 12.45			
Sets	NIST	:	pH 1.68, 4.01, 6.86, 9.18, 12.45			
	DIN	:	pH 1.09, 3.06, 4.65, 6.79, 9.23, 12.75			
	Low Ionic	:	pH 4.10 and 6.97			
Temperature Compensation	Automatic / manual (from 0 to 100 °C)					
No. Of Calibration Points	2 to 5 (up to 6 for pH 110 using DIN)					
pH Slope & Offset Display	Yes					
Hold Function	Yes					
Auto Power-off	After 20 minutes (selectable)					
Averaging / Stability (READY)	Selectable					
Inputs	BNC, 2.5 mm phono jack, power jack					
Display	Custom Dual LCD					
Power Requirements	4 'AAA' alkaline batteries, AC / DC adapter 9V, 200 mA					
Battery Life	> 700 hours					
Dimensions / Weight	Meter : 18.7 x 9 x 4cm ; 290g Boxed : 24 x 23 x 7cm ; 650g					

ORDERING INFORMATION

Order No.	Item
EC-PH11/01	CyberScan pH 11 meter with temperature probe (EC-PH5TEM01P)
EC-PH110/01	CyberScan pH 110 meter with temperature probe (EC-PH5TEM01P), software and RS232C cable
EC-PH11/02K	CyberScan pH 11 meter with temperature probe (EC-PH5TEM01P), pH electrode (EC-FC72521-01B), and pH calibration solutions in rugged carrying case kit
EC-PH110/02K	CyberScan pH 110 meter with temperature probe (EC-PH5TEM01P), pH electrode (EC-FC72522-01B), software, RS232C cable and pH calibration solutions in rugged carrying case kit
EC-FC72521-01B	Plastic body single junction pH electrode
EC-FC72522-01B	Plastic body double junction pH electrode
EC-FC79601-01B	Plastic body single junction ORP electrode
EC-FC79602-01B	Plastic body double junction ORP electrode
EC-POUCH02	Carrying pouch for portable meter

Electrodes are supplied with 1-metre cable length and BNC termination



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