



CyberScan

pH 11/110

for pH & mV



CyberScan pH 11 Meter
pH / mV / oC

CyberScan pH 110 Meter
pH / mV / oC / oF / 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 custom 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. The pH 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.

The CyberScan series meters are registered under U.S. Patent #354,921. Patents outside U.S. are pending.

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

Meter Specifications:

	pH 11	pH 110
Range	16.000.01±0.01	2.00 to 16.000.01±0.01
Resolution	0.01	0.01
Accuracy	±0.01	±0.01
mV-199.9 to +199.9	1±0.2	1±0.2
Temp.-10 to 1100.1	±0.5	±0.5
°C		
Temperature	14 to 199.9	10.9
°F	200 to 230	10.9
Relative	Yes	
mV Offset		
Display		
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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