CyberScan pH 2100

Series

3 Year Meter Warranty

CE **ISO 9001** CERTIFIED
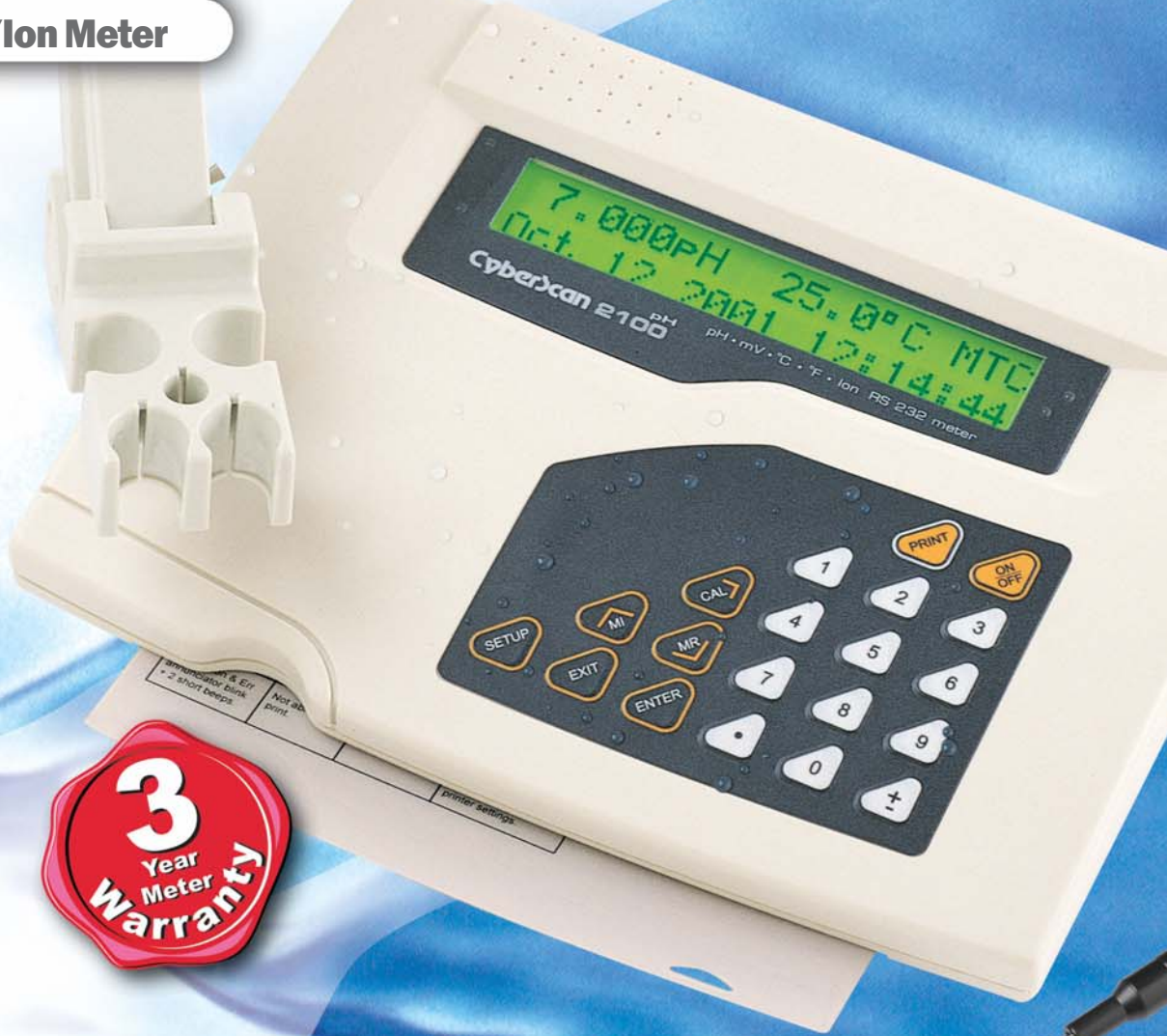
CyberScan pH 1100 Meter
pH / mV (ORP) / °C / °F / RS 232

CyberScan pH 2100 Meter
pH / Ion / mV (ORP) / °C / °F / RS 232

- Large Bright, Backlit, Dot Matrix Display

- Microprocessor Based

- ±0.01 / ±0.002 pH Accuracy - Selectable

- Multi-point Calibration with Auto-buffer Recognition

- Choice of USA, NIST or User-definable buffer standards

- 100 Memory Data Sets with Date/Time Stamping, GLP compliant

- Audible Limit Alarm and Auto Datalogging

- Electrode Diagnosis

- RS232C, Recorder Output

EUTECH INSTRUMENTS
Technology Made Easy ...

Designed for optimum power, versatility, and ease of use in your lab — the CyberScan pH2100 Series uses one of the latest Application Specific Integrated Circuit (ASIC) technologies. Sophisticated and advanced in features, these meters are still easy to use.

MULTI-PARAMETER MEASUREMENT

The research-grade microprocessor-based CyberScan pH 1100/2100 measures direct Ion concentration (for pH 2100), pH, mV (ORP) and temperature (°C/°F) fast, accurately and easily.

MULTI-POINT PUSH BUTTON CALIBRATION WITH CAL DUE PROMPT

Up to 5-point pH calibration improves accuracy. Choice of USA, NIST or mix and match buffers meets changing laboratory needs. Auto buffer recognition simplifies calibration process. 5-point Ion calibration ensures good accuracy across full ion measurement range. CAL Due prompts you when next calibration is due.

AUTOMATIC TEMPERATURE COMPENSATION

Built-in Automatic Temperature Compensation (ATC) corrects readings inspite of changing sample temperatures.

NON-VOLATILE MEMORY WITH DATE/TIME STAMPING

Up to 100 data sets can be stored to memory. Data is time and date indexed; complies to Good Laboratory Practice (GLP) requirements.

LIMIT ALARM SETTING

Audible alarm alerts you when measurements exceed preset high or low set points.

ELECTRODE DIAGNOSIS

Electrode characteristics can be viewed via the setup menu to check electrode condition.

DATA LOG/PRINT AND BI-DIRECTIONAL RS 232 COMMUNICATION

Take control of the meter remotely using Data Acquisition Software (DAS) provided as a standard accessory. Log Data to memory or print at preset time intervals. Or data can be downloaded to any spreadsheet program on your PC via the DAS. An analogue recorder output allows linkup to an external chart recorder or recording device.

LARGE BRIGHT-LIT DOT-MATRIX DISPLAY

High contrast, backlit, large character dot matrix LCD (Liquid Crystal Display) gives you a clear view. Self-diagnostic message codes helps you keep your meter in good working condition.

AESTHETIC DESIGN

A slide-out instruction card serves as a handy reference guide for keypad functions and troubleshooting. Splash-proof keypad protects the meter from accidental spills. Audible tactile feedback confirms key selection. Anti-skid footpads prevent meter from sliding on bench-tops.

WARRANTY

Eutech Instruments supplies these meters with 3-year warranty against manufacturing defects and 6-month warranty for electrodes.

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

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

Specifications: CyberScan pH 1100 / pH 2100	
Ion Concentration Range (for pH2100 only)	0.001 to 19999
Resolution & accuracy	± 1 LSD & ± 0.5% of reading
pH Range	-1.000 to 14.000 pH
Resolution & accuracy	0.01/0.001 pH & ± 0.01/0.002 pH
mV Range	-1850 to +1850 mV
Resolution & accuracy	0.1 mV & ± 0.2 mV
Relative mV Range	-1850 to +1850 mV
Resolution & accuracy	0.1 mV & ± 0.2 mV
Temperature Range	-5.0 to 105.0 °C (23.0 to 221.0 °F)
Resolution & accuracy	0.1 °C (0.1 °F) & ± 0.5 °C (0.9 °F)
Temperature Compensation	Automatic/Manual (0 to 100°C)
No. of ion calibration points	5 (min. 2 points)
No. of pH calibration points	1 to 5
pH buffer options	USA: 1.68, 4.01, 7.00, 10.01, 12.45 NIST: 1.68, 4.01, 6.86, 9.18, 12.45 User 1: 1.68, 4.01, 7.00, 9.18, 12.45 User 2: 1.68, 4.01, 6.86, 10.01, 12.45 Custom: min. of 2 and max. of 5 points
pH Slope and Offset Display	Yes
Memory	100 Data Sets (with date/time stamping)
Display	Alpha Numeric LCD (2 lines/20 characters) with backlight
Output	RS232C, Recorder (± 1850 mV)
Operating Temperature	0 to 50 °C
Power requirements	Power adapter, 9V DC 500 mA output 120/220 VAC input
Dimension/Weight	Meter: 18 x 23 x 6 cm; 950g Boxed: 40 x 26 x 9 cm; 1650g

ORDERING INFORMATION

Order No.	Item
EC-PH1100/01S	CyberScan pH1100 meter with EC-PH5-TEMB01P and integral electrode stand
EC-PH2100/01S	CyberScan pH 2100 meter with EC-PH5-TEMB01P and integral electrode stand
EC-FG73504-01B	Glass-body refillable pH combination electrode (1m cable)
EC-FC72522R-01B	Plastic-body refillable double-junction pH combination electrode (1m cable)
EC-PH5-TEMB01P	Temperature probe (1m cable)
60X03111	110 VAC power adapter (50/60 Hz)
60X03112	220 VAC power adapter (50/60 Hz)

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