

Ion Concentration

CyberScan Series 510



CyberScan pH 510 Meter
pH / Rel. mV / °C

CyberScan Ion 510 Meter
pH / Ion / Rel. mV / °C

- Microprocessor Based
- Multi-point Calibration With Auto Buffer Recognition
- Selectable USA or NIST Buffer Standards
- Automatic Temperature Compensation
- Recorder Output
- 50 Memory Data Sets
- Large, Easy-to-read Display
- Self Diagnostic Messages
- Built In Electrode Holder (Optional)



Splash-proof Keypad



Large Customized LCD



Integrated Electrode Holder



Slide-out Instruction Card



Eutech's CyberScan pH/Ion 510 is based on Eutech's proprietary new generation Application Specific Integrated Circuit (ASIC) that provides ample sophistication with advanced features, while maintaining a user-friendly interface.

MULTI-PARAMETER MEASUREMENT

The CyberScan pH 510 measures pH, mV (ORP) and temperature while the CyberScan Ion 510 measures Ion Concentration, pH, mV (diagnosis reference) and temperature.

MULTI-POINT PUSH BUTTON CALIBRATION

Both meters allow up to 3-point pH calibration with the choice of USA or NIST buffer standards. Auto-buffer recognition minimizes calibration error if incorrect pH buffers are used. The Ion 510 offers up to 3 calibration points in the Ion mode, guaranteeing unprecedented accuracy whether you are measuring mono or divalent ionic concentration. Calibration is quick, trimmer-free and easily accessible at the touch of buttons.

AUTOMATIC TEMPERATURE COMPENSATION

Built-in Automatic Temperature Compensation (ATC) ensures reliable readings under fluctuating temperature conditions.

NON-VOLATILE MEMORY BACKUP

Up to 50 sets of data can be stored and recalled from its memory that retains all pH calibration and stored data even if power is disconnected. Hold function freezes measured values that can be stored for later reading and recording. User can view the electrode characteristics via the keypad.

RECORDER OUTPUT

The meter is equipped with an analog output that links to an external chart recorder or recording devices.

EASY-TO-READ DISPLAY

The large custom LCD (Liquid Crystal Display) provides optimum viewing of measured values with units of measure. The display prompts and guides you with self-diagnostic message codes for trouble-free operation.

INNOVATIVE DESIGN

A handy slide-out instruction card serves as a reference guide for keypad functions and troubleshooting. Keypad is splash-proof to protect the meter from accidental spills. Tactile feedback during operation confirms key selection. Non-skid pads immobilise meter during operation. A built in electrode holder (select models only) provides table top convenience and is a space saver.

WARRANTY

Eutech Instruments warrants its meter free from manufacturing defects for 3 years and electrodes for 6 month.

Eutech also provides meter accessories and calibration standards. Ion selective electrode available separately. Refer to separate brochures for information.

The CyberScan series are registered under U.S. Patent #371,748. Patents outside U.S. are pending.

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

SPECIFICATIONS

CyberScan 510 Series		pH	Ion
Ion Concentration Range	0.01 to 1999 ppm	•	•
Resolution	0.01 ppm (0.01 to 0.99 ppm) 0.1 ppm (1.0 to 199.9 ppm) 1 ppm (200 to 1999 ppm)	•	•
Accuracy	±0.5% F.S for mono valence ions ±1.0% F.S. for di valence ions	•	•
mV Range	-200 to +200 mV	•	•
Resolution & Accuracy	0.1 mV (<199.9 mV) & ±0.2 mV	•	•
Extended mV Range	-2000 to +2000 mV	•	•
Resolution & Accuracy	1 mV (>200 mV) & ±2 mV	•	•
pH Range	0.00 to 14.00 pH	•	•
Resolution & Accuracy	0.01 pH & ±0.01 pH	•	•
Temperature Range	0.0 to 100 °C	•	•
Resolution & Accuracy	0.1 °C & ±0.3 °C	•	•
Temperature Compensation	Automatic/manual (0 to 100 °C)	•	•
No. Of Ion Cal. Points	3 (min. 2 points)	•	•
pH Buffer Options	US Standard (pH 4.01, 7.00, 10.01) NIST Standard (pH 4.01, 6.86, 9.18)	•	•
No. Of pH Calibration Points	1, 2 or 3	•	•
pH Slope & Offset Display	Yes	•	•
Memory	50 Data Sets	•	•
Output	Recorder (±2000 mV)	•	•
Power Requirements	9V DC adapter, 120 VAC or 220 VAC, 200 mA	•	•
Dimension / Weight (Meter)	Meter: 18 x 23 x 6 cm ; 950g Boxed: 40 x 26 x 9 cm ; 1650g	•	•
Dimension / Weight (Meter With Electrode Arm)	Meter: 18 x 23 x 6 cm ; 1250g Boxed: 40 x 26 x 9 cm ; 1950g	•	•

ORDERING INFORMATION

Order No.	Item
EC-PH510/01	CyberScan pH 510 with EC-PH5-TEMB01P
EC-PH510/01S	CyberScan pH 510 with EC-PH5-TEMB01P and integral electrode stand
EC-ION510/01	CyberScan Ion 510 with EC-PH5-TEMB01P
EC-ION510/01S	CyberScan Ion 510 with EC-PH5-TEMB01P and integral electrode stand
EC-FG73504-01B	Glass-body refillable pH combination electrode (1-meter cable)
EC-FE72522-01B	Epoxy-body double-junction pH combination electrode (1-meter cable)
EC-PH5-TEMB01P	SS Temperature probe (1-meter 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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