

CyberScan Series 510



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

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

- ± 0.01 pH Accuracy
- Multi-point Calibration With Auto-Buffer Recognition
- USA or NIST Buffer Standards
- 50 Memory Data Sets
- Recorder Output
- Large Dual Line Display
- Integral Electrode Holder (Optional)



Splash-proof Keypad



Large Custom LCD



Integral Electrode Holder



Slide-out
Instruction Card



Eutech's CyberScan pH/Ion 510 microprocessor-based meters offer ample sophistication with advanced easy-to-use features, while maintaining a user-friendly interface. An ideal basic pH/Ion meter for use in schools, laboratories and production plants.

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 & ORP) and temperature.

MULTI-POINT PUSH BUTTON CALIBRATION

Calibration is quick and hassle-free at the touch of buttons. With the choice of 2 universal pH buffer standards with auto-buffer recognition, simple calibration procedure becomes routine. The Ion 510 offers up to 3 calibration points in the Ion mode, guaranteeing unprecedented full-range meter accuracy for measuring monovalent or divalent ionic concentration.

AUTOMATIC TEMPERATURE COMPENSATION

ATC mode 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 calibration and information even if power is disconnected.

RECORDER OUTPUT

Equipped with an analogue data output, meter can be linked to an external chart recorder or recording devices for report documentation.

EASY-TO-READ DISPLAY

Custom dual line LCD (Liquid Crystal Display) provides optimum view of pH and Temperature values or Ion values (for Ion 510 only) with units of measure.

SELF-DIAGNOSIS

The self-diagnostic meter prompts and guides user throughout with user-friendly message codes and graphical icons for easy operation. Electrode characteristics (pH slope/offset) can be viewed to determine electrode condition.

INNOVATIVE DESIGN

A slide-out instruction card serves as a handy reference for keypad functions and troubleshooting. IP54-rated housing with splash-proof keypad protects the meter against accidental spills. Tactile feedback keypad confirms key selection. Non-skid pads immobilise meter during operation. An integral electrode stand with swivel arm (optional) holds multiple electrodes and is a space saver.

WARRANTY

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

Meter Specifications:

	pH 510			Ion 510		
	Range	Resolution	Accuracy	Range	Resolution	Accuracy
pH	0.00 to 14.00	0.01	±0.01	0.00 to 14.00	0.01	±0.01
mV	±500	0.1	±0.2	±500	0.1 (below ±199.9) & 1 (above 200)	0.2 (below ±199.9) & 2 (above 200)
mV (Extended)	±1999	1	±2	±1999	1	±2
Temperature (°C)	0.0 to 100.0	0.1	±0.3	0.0 to 100.0	0.1	±0.3
Ion Concentration	-	-	-	0.01 to 1999 ppm		
No. of Ion Cal. Points/Options	-	-	-	Up to 3 points (min. 2 points) (0.1, 1.0, 10.0 or 100.0 ppm)		
No. of pH Calibration Points	Up to 3 points with Auto-buffer Recognition					
mV Offset	±150 mV					
Temperature Offset	±5.0 °C					
pH Buffer Sets	USA (pH 4.01, 7.00, 10.01); NIST (pH 4.01, 6.86, 9.18)					
Temperature Compensation	Automatic / manual (0 to 100 °C)					
Slope %	80 to 120					
pH Slope & Offset Display	Yes					
Hold Function	Yes					
Averaging / Stability (READY)	Yes					
Memory	50 Data Sets					
Inputs	BNC, ref. (half-cell), Ground, 2.5mm phono jack (ATC), power jack					
Output	Recorder (±2000 mV)					
Power Requirements	9V DC adapter, 120 VAC or 220 VAC, 200 mA					
Dimension/Weight (Meter only)	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/X2S	CyberScan pH 510 with ECFC7252101B and Temperature probe
EC-PH510/X1S	CyberScan pH 510 with EC-PH5-TEMB01P and integral electrode stand
EC-PH510/X1	CyberScan pH 510 with EC-PH5-TEMB01P
EC-ION510/X1S	CyberScan Ion 510 with EC-PH5-TEMB01P and integral electrode stand
EC-ION510/X1	CyberScan Ion 510 with EC-PH5-TEMB01P
EC-FG73504-01B	Glass-body refillable pH combination electrode (1m cable)
EC-FC72522-01B	Plastic-body double-junction pH combination electrode (1m cable)
EC-PH5-TEMB01P	SS Temperature probe (1m cable)
EC-PHELSTDC	Electrode Stand with Swivel Arm and Round Base Plate
60X030111	120VAC/9VDC (50/60 Hz) power adapter, 2 flat pin US-type
60X030112	220VAC/9VDC (50/60 Hz) power adapter, 2 round pin Euro-type

X denotes type of power adapter included: 0 - none, 1 - 120 VAC & 2 - 220 VAC

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.

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