

Products > By Parameter > [Ion](#)
CyberScan Ion 510



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Product Features

- ❖ Low Cost Plus High Performance - offers laboratory-quality readings for a very economical cost
- ❖ Multi-Point Push-Button Calibration (up to 3 points) with Auto-Buffer Recognition - choice of USA and NIST pH buffer standards for quick calibration with no calibration mistakes
- ❖ Direct Ion Concentration measurement with use of many Ion Selective Electrodes (for Ion 510 model only)
- ❖ Expanded Memory stores and recalls up to 50 data sets
- ❖ Analogue Recorder for external chart recording devices
- ❖ Viewing of Electrode Characteristics - electrode slope and offset value to verify electrode performance
- ❖ Automatic Temperature Compensation (ATC) for optimum accuracy under fluctuating temperatures
- ❖ Hold Function momentarily freezes reading for easy viewing and recording
- ❖ Stability Indicator prompts whenever reading stabilizes
- ❖ Self-Diagnostic with message codes for easy troubleshooting
- ❖ Large, Easy-to-Read Custom LCD Display with simultaneous readings provides optimum viewing with user-friendly icons
- ❖ Slide-out Instruction Card for quick reference
- ❖ Detachable Electrode Stand organizes multiple electrodes neatly and holds them firmly in place



Dual-display LCD



Quick reference slide-out instruction card

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By Product Type

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Applications

General: Ideal for all kinds of water quality, chemical testing in the laboratory and soil/fertilizer testing. Suitable for most ASTM and EPA test procedures. Great for R&D and QC applications in chemical industries and related fields.

Educational: Perfect for students at all levels; suitable for all types of chemistry labs and ecology studies.

Water Quality Testing: Use for quick fluoride level checks and tests on priority pollutants and contamination.

Industrial: Boiler water/cooling water testing, wastewater or sewage treatment, food and pharmaceutical processing/product development and QC testing, metal finishing, printing and chemical industries.

Specifications

Product Specification	Description
pH Range	0.00 to 14.00 pH
Resolution & Accuracy	0.01 & ±0.01 pH
Ion Concentration Range	0.01 to 1999 ppm
Resolution & Accuracy	0.01 ppm (0.01 to 0.99 ppm); 0.1 ppm (1.0 to 199.9 ppm); 1 ppm (200 to 1999 ppm) & ± 1% Full Scale
mV Range	±500 mV
Resolution & Accuracy	0.1 mV & ±0.2 mV (within ±199.9 mV); 1 mV & ±2 mV (beyond ±200 mV)
Temperature Range	0.0 to 100.0 °C
Resolution & Accuracy	0.1 °C & ±0.3 °C
No. of Calibration Points	Up to 3 points (pH & Ion)
pH Buffer Options	USA (pH 4.01, 7.00, 10.01); NIST (pH 4.01, 6.86, 9.18)
Memory	50 Data Sets
Temperature Compensation	Automatic / Manual (0 to 100 °C)
Recorder Output	Yes
Special Functions	Stability Indicator; Self-diagnostic; Hold & pH Slope/Offset Display
Power	9VDC, using AC adapters 110VAC or 220VAC, 50/60 Hz

Order Information

Order No.	VAC	Item
EC-ION510/115	110	CyberScan Ion 510 Bench Ion/pH/mV Meter with ATC probe, integral electrode holder & power adapter
EC-ION510/215	220	CyberScan Ion 510 Bench Ion/pH/mV Meter with ATC probe, integral electrode holder & power adapter

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