Orion Benchtop Ion Selective Meter

Orion 710A+

- **Ion Selective**
- **pH**
- **mV**
- **ORP**
- **Temperature**

- Affordable Concentration and pH Measurements
- Automatic Blank Correction Calculations
- pH Autocalibration with Choice of 5 Buffers

The Orion 710A+ with features to make routine pH concentration measurements fast, easy and accurate. Meter accepts up to 5 standards for concentration calibration to ensure low level measurement accuracy. Calibrate quickly using pH autocalibration with built-in buffer/temperature tables. Autoblank correction feature automatically corrects concentration results for background ion levels. Other meter features include ROSS Resolution™ to 0.001 pH units, bi-directional RS232 communication, 25 point datalogging and simultaneous pH and temperature display. All data, including calibration parameters, will print out when used with optional Model 900A printer or computer, making record keeping easy and accurate.

- Absolute/relative mV modes for incremental techniques
- Automatic buffer recognition (anion or cation ISE electrodes)
- pH autocalibration at five buffer values
- Direct readout of concentration
- Selectable pH/ISE resolution
- Adjustable isopotential point
- Automatic temperature compensation using ATC probe
- Built-in datalogger holds up to 25 readings
- Connect your meter to a computer via the RS-232 interface for bidirectional communication capabilities; or connect to the Orion printer 58819-70 for permanent hard copy records of your data
- Dust-, splash-, and chemical-resistant housing and sealed membrane keypads ensure long meter life

Ordering Information

ITEM	DESCRIPTION
0710A0	710A+ Meter with pH/Temp. Electrode
0710A2	710A+ Meter only

Specifications

pH	
Range	-02.00 to 19.999
Resolution	0.001/0.01/0.1
Relative Accuracy	±0.005
Slope	80 to 120%
Auto-buffer Recognition	1.68, 4.01, 7.00, 10.01, 12.46
Calibration Points	5
Concentration	
Range	0.000 to 19900
Resolution	±1 least significant digit
Relative Accuracy	±0.5% of reading
Calibration Points	5
Temperature	
Range	-5.0 to 105.0 °C
Resolution	0.1°C
Relative Accuracy	±1.0°C
Millivolt	
Range	±1600.0
Resolution	0.1mV
Relative Accuracy	±0.2 mV or ±0.05% of reading, whichever is greater
Relative Millivolt	
Range	±1999.9
Resolution	0.1 mV
Millivolt Relative Accuracy	±0.2 mV or ±0.05% of reading, whichever is greater
Display	Custom LCD
Inputs	1 BNC, 1 pin tip, ATC, power, RS232
Outputs	RS232
Power Requirements	AC Line, 110V, 220V or 240V
Agency Approvals	CE, CSA, UL
Environmental Requirements	5 to 45°C,
	5 to 85% relative humidity,non-condensing