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Find the *Thermo / Orion 420A* at our website: ***Click HERE***

ORION Model 420A
Simple pH/mV/ORP/Temperature
Benchtop Meter

- **Autocalibration with Choice of 3 Buffers**
- **ROSS Resolution(tm) to 0.001 pH Units**
- **Simultaneous pH and Temperature Display**



The Orion 420A is a benchtop meter that gives you the basics for fast, accurate pH measurement. This system is ideal for a busy, multi-user laboratory or plant environment. Calibration is fast, easy and accurate with autocalibration using built-in Auto-Buffer-Recognition, built-in buffer/temperature tables, and automatically calculated and displayed electrode slope value. The mV mode makes ORP measurements fast and reliable.

The Model 420A is equipped with RS232 communications that allow the user to record data using the optional Orion **Model 900A Printer** or a computer.

Specifications:

pH
Range: -2.000 to 19.999
Resolution: 0.001/0.01/0.1 pH
Relative Accuracy: +/- 0.005
Slope: 80 to 120%
Auto-Buffer Recognition: 4.01, 7.00, 10.01

Temperature
Range: -5.0 to 105.0 C
Resolution: 0.1 C
Relative Accuracy: +/- 1.0 C

Millivolts

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Range: +/- 1600.0 mV
Resolution: 0.1 mV
Relative Accuracy: +/- 0.2 mV or +/- 0.05% of reading, whichever is greater

Relative Millivolts
Range: +/- 1999.9 mV
Resolution: 0.1 mv
Relative Accuracy: +/- 0.2 mV or +/- 0.05% of reading, whichever is greater

Display
Custom LCD

Inputs
One BNC, one pin tip, ATC, power

Outputs
RS232

Power Requirements
AC Line, 110 V, 220 V or 240 V

Agency Approvals
CE, CSA, UL

Environmental Requirements
5 to 45 C and 5 to 85% relative humidity, non-condensing

Meter Dimensions
9.1 x 7.6 x 2.0 inches (w, l, d)

Case
Dust and splash resistant, chemical resistant

ORDERING INFORMATION

Orion Catalog No. and Description

0420A0 Model 420A Benchtop pH Meter, Includes ORION 9157BN Triode(tm) 3 in 1 combination pH electrode, 110 V wall adaptor, and instruction manual.

0420A1 Model 420A Benchtop pH Meter, Includes ORION 9157BN Triode(tm) 3 in 1 combination pH electrode, 220 V wall adaptor, and instruction manual.

0420A2 Model 420A Benchtop pH Meter, includes instruction manual only (no other accessories).

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