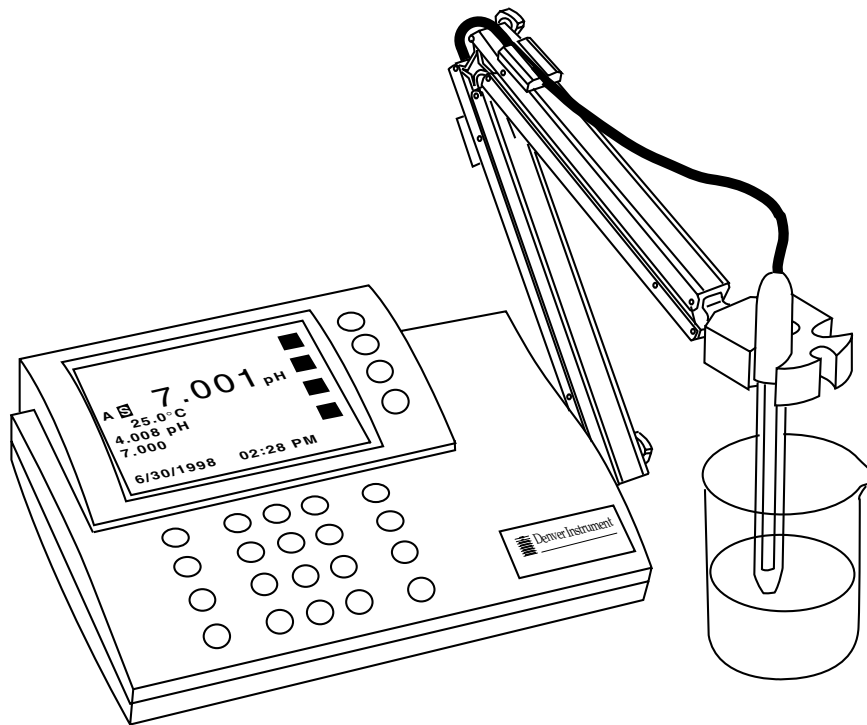


Model 220

pH/mV/Conductivity

Research-grade pH and conductivity measurements from one meter!

- Simultaneous pH and conductivity measurements, even in the same solution!
- Offers conductivity, NaCl salinity, practical salinity, resistivity and Total Dissolved Solids
- Improved conductivity measurements with 4-band conductivity cell and multiple standards
- Three electrode inputs
- Fully compliant with the new USP 23 conductivity protocol



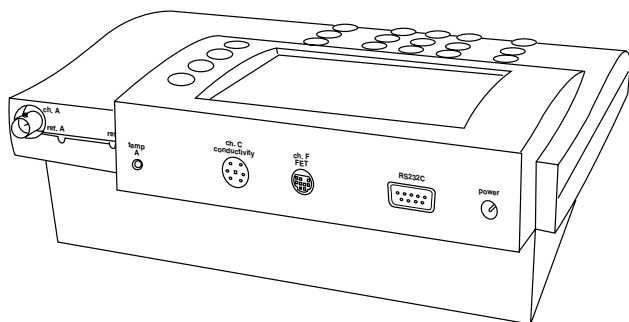
Accurate and dependable.

If you need a high-end conductivity meter along with a dependable pH workhorse, consider the Denver Instrument Model 220. This model provides single- or multiple-channel split-screen measurements of pH and conductivity with the electrodes in the same solution.

Conductivity and more! With a few keystrokes, the Model 220 switches from conductivity to NaCl salinity, practical salinity, resistivity or Total Dissolved Solids. Plus, the meter automatically selects the correct range for each sample from 5 subranges, auto-ranges units, or uses fixed units in $\mu\text{S}/\text{cm}$ or $\text{k}\Omega\cdot\text{cm}$.

The Model 220 offers automatic conductivity calibration, allows up to 5 points for calibration and uses advanced 4-band conductivity circuitry for the most accurate conductivity measurements available.

Temperature correction can be programmed either off or on, with coefficients from 0 to 4.0%/°C. For more accurate TDS measurements, the empirical solids factor can be programmed.



Specifications

Conductivity Range	0.01 to 3×10^5 $\mu\text{S}/\text{cm}$ (depending on cell constant)		
Resolution	1, 2 or 3 significant figures		
Accuracy	$\pm 0.5\%$ of reading		
Cell Constant	10 cm^{-1}	1.0 cm^{-1}	0.5 cm^{-1}
Sub-Range	3×10^4 to 3×10^5	3×10^3 to 3×10^4	1×10^2 to 1×10^3
Sub-Range	3×10^3 to 3×10^4	3×10^2 to 3×10^3	1×10^1 to 1×10^2
Sub-Range	3×10^2 to 3×10^3	3×10^1 to 3×10^2	1×10^0 to 1×10^1
Sub-Range	3×10^1 to 3×10^2	3×10^0 to 3×10^1	1×10^0 to 1×10^1
Sub-Range	0 to 3×10^1	0 to 3×10^0	0 to 1×10^{-1}
NaCl Equivalent Salinity	Autoranging, 0.01 to 70ppt		
Practical Salinity	Autoranging, 0.01 to 42ppt		
Resistivity	Autoranging, 30 $\text{ohm}\cdot\text{cm}$ to 20 Megohm $\cdot\text{cm}$ (depending on cell constant)		
Temperature Correction	Off or On, 0 to 4%/°C		

Modes	pH	mV	Temp
Range	-2.000 to 20.000	± 1800.0	-5.0 to 105.0°C
Resolution	0.1/0.01/0.001	1/0.1	0.1°C
Accuracy	± 0.002	± 0.1	0.3°C
Automatic Temperature Compensation	Automatic or manual from -5 to 105°C.		
Slope Control	Automatic 90 to 105% Manual, 80 to 110%		
Environmental Conditions	15° to 40°C, 0-90% Relative Humidity		
Power Requirements:	115V 50/60Hz (Additional voltages available)		

Ordering Information

Meter with kit includes: Meter, power supply, high performance glass-body pH/ATC Free-flow Platinum junction electrode, electrode arm and operation manual. Order conductivity cells separately.
The Meter only includes: Meter, power supply, electrode arm and operation manual.

Meter with Kit	Cat. No. 02-226-109
Meter Only	Cat. No. 02-226-157

 **Denver Instrument Company**

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