

Microprocessor-Based pH Meters

Models 66, 67, 69

This newly expanded line of pH meters maintains high-quality manufacturing standards while adding automatic performance, advanced software and expanded pH, mV, temperature and ion measurement ranges.

Automatic buffer recognition, ATC for buffers and samples, and automatic end-point sensing provide consistent accuracy to ensure the utmost in pH analysis. Additional valuable features are data acquisition, computer interface and printing capabilities.

Among the most exciting are the *PowerMate*[™] stand/holder and the new carrying case that incorporate recharging capabilities for these portable meters. Each meter is powered by four 1.2 volt Nicad batteries. The *PowerMate*[™] and carrying case supply “drop-in” recharging features to power each meter. The carrying case has a live hinge which allows the lid to be removed for easy access and used as a tray.

Each meter can be purchased with either the *PowerMate*[™] or the rugged carrying case. Included with either recharging system are a pH electrode, temperature sensor, buffer solutions (4, 7, 10), and an instruction manual. Optional cable for RS232 is available.

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pH Model 69 with *PowerMate*[™] recharging stand.

Model	66	67	69
pH Range:	-2.00 to 19.99	-2.00 to 19.99	-2.000 to 19.999
Slope	80 to 120%	80 to 120%	80 to 120%
Accuracy	± 0.02 pH	± 0.02 pH	± 0.02 pH
Resolution	0.01	0.01/0.1	0.001/0.01/0.1
Millivolt Range:	N/A	± 1600.0	± 1600.0
Accuracy	N/A	± 0.2 mV	± 0.2 mV
Resolution	N/A	0.1 mV	0.1 mV
Relative Millivolt Range:	N/A	± 1999.9	± 1999.9
Accuracy	N/A	± 0.2 mV	± 0.2 mV
Resolution	N/A	0.1 mV	0.1 mV
Concentration:	N/A	N/A	0.000 to 19999
Accuracy	N/A	N/A	$\pm 0.5\%$ of reading
Resolution	N/A	N/A	\pm one least significant digit
Temperature Compensation:	-5.0 to 105.0°C	-5.0 to 105.0°C	-5.0 to 105.0°C
Accuracy	$\pm 0.5^\circ\text{C}$	$\pm 0.5^\circ\text{C}$	$\pm 0.5^\circ\text{C}$
Resolution	0.1°C	0.1°C	0.1°C
Functions:	N/A	Printer	Printer/Terminal
	N/A	N/A	Data Acquisition
	N/A	N/A	Spy Capabilities
Output:	N/A	RS232 optional	RS232 optional
Inputs:	BNC, ATC	BNC, ATC	BNC, ATC
Input Impedance (all models):	$>10^{12}$ ohms		

Power Requirements:

Four 1.2 Volt Nicad rechargeable batteries. The recharging carrying case is supplied with all three models. If the *PowerMate*[™] recharging base is preferred, order part number 66-PM, 67-PM or 69-PM.

All chargers require 110 VAC, 50/60 Hz current. For 220 AC supply, a wall adapter, suitable for your country's power, that is 12 Volts DC, 500 milliamps with a 3.5 mm plug, tip positive will be needed.

Environmental Conditions: Splash proof, chemical resistant, dust proof
Instrument Size: 8.3 x 3.1 x 1.65 inches (21 x 7.8 x 4.1 cm)
Instrument Weight: 13.3 ounces (0.37Kg)