

## VWR® sympHony® pH/Conductivity Meters

Supplier: VWR International

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- ▶ Simple 3-Button Operation
- ▶ Bright LCD Display with Ready Indicator
- ▶ Advanced GLP Features
- ▶ Meet USP Requirements
- ▶ VWR® Three-Year Limited Warranty



These dual channel meters are ideally suited for soil testing and water/wastewater analysis in regulated environments. Optional 1 to 5 point calibration for pH and conductivity ensures accuracy even at extremes of concentration. Meters also display conductivity, resistivity, salinity, TDS, and temperature and accept both four-electrode and two-electrode cells. A simple set-up menu and icon prompts guide non-technical users through the measurement process. Up to 10 setup parameters and calibrations may be stored and password-protected, making them ideal for multiple users. Additional methods, as well as software updates, are available for download. These rugged meters also meet all U.S. Pharmacopeia (USP) requirements.

Meters feature waterproof BNC pH electrode and waterproof mini-DIN locking conductivity probe connectors; automatic or manual pH calibration; automatic buffer recognition of NIST, US, and DIN buffers; automatic or manual temperature compensation; advanced self-tests on meter operation with self-diagnostics; optional GLP IQ/OQ documentation; and 200-point data logging. Data can be downloaded to printer or computer via the RS-232 connection.

Optional 21 CFR part 11-compliant data collection software ensures regulatory compliance and includes system validation, security and audit trails with time and date stamps, archiving, and record retention and recovery.

**Ordering Information: Benchtop meter 11388-360 includes a glass combination pH electrode (14002-850). Portable meter 11388-332 includes a gel 3-in-1 pH electrode (14002-860). Both meters also include a two cell epoxy conductivity probe (11388-372).**

Benchtop meters meet IP54 specifications for protection from water and are compatible with an optional USB interface cable. Benchtop meters are CE marked, CSA and TÜV certified, and UL listed. The waterproof handheld meters meet IP67 specifications. Handheld meters also feature an extended-life battery for up to 2000 hours of uninterrupted operation and are CE marked.

**Services: VWR CATALYST™ offers validation services including IQ, OQ, and PQ protocol development and execution, as well as asset management and calibration services (US only); call 888-793-2300 for more details.**

### ORDER

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Description	VWR Catalog Number	Unit	Your Price	Quantity
<input type="checkbox"/> SB80PC Benchtop Meter Only	11388-346	Each	\$832.65	<input type="text" value="0"/>
<input type="checkbox"/> SB80PC Benchtop Meter with Electrode and Probe	11388-360	Each	\$1,036.89	<input type="text" value="0"/>
<input type="checkbox"/> SP80PC Handheld Meter Only	11388-318	Each	\$571.29	<input type="text" value="0"/>
<input type="checkbox"/> SP80PC Handheld Meter with Electrode and Probe	11388-332	Each	\$841.23	<input type="text" value="0"/>

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### SPECIFICATIONS

Cell Constant	0.001 to 199.9
Conductivity Accuracy	0.5% ±1 digit or 0.01 µS/cm, whichever is greater
Conductivity Range	0 to 3000 mS
Conductivity Resolution	4 sig digits down to 0.001 µS/cm
Reference temperature	15°, 20°, 25°C (Default)
Resistivity Accuracy	0.5% ±1 digit

Resistivity Range	0.0001 to 100 megohms
Resistivity Resolution	Automatic
Salinity Accuracy	0.1% ±1 digit
Salinity Range	0.1 to 80.0 ppt NaCl
Salinity Resolution	0.01
TDS Accuracy	0.5% ±1 digit
TDS Range	0 to 19,900
TDS Resolution	1
Temperature Accuracy	±0.1°C
Temperature Resolution	0.1 up to 99.9°C, 1.0
Temperature range	-5 to 105°C (23 to 221°F)
pH Accuracy	±0.002
pH Range	-2.000 to 19.999
pH Resolution	0.1/0.01/0.001

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