



Economical pH/mV/ORP/Conductivity/TDS Meter with RS232 Output

PHH224
\$289



- ✓ Conductivity/TDS/pH/mV
- ✓ Splash Proof Front
- ✓ Records Maximum and Minimum Readings
- ✓ RS232 Output

The PHH244 is ideal for water conditioning, beverage, fish hatcheries, laboratory, Universities and many other Industrial applications. These microprocessor based digital meters are rugged, portable units which are able to recognize and compensate for electrode offset and slope. The PHH224 also features RS232 output, Data Hold, °C or °F selectable, auto shutoff, overload indication and automatic or manual temperature compensation.

Specifications

Display: Dual function LCD, 15 mm (0.6") digits; overrange indication standard; min/max and data hold functions

pH Measurement:

Range: 0 to 14 pH
Resolution: 0.01 pH
Accuracy: ±(0.02 pH + 1 digit)
Input Impedance: 10¹² Ω

Temperature Compensation: Automatic, 0 to 65°C (32 to 149°F) with conductivity probe; manual 0 to 100°C (32 to 212°F)

mV Measurement:

Range: ±1999 mV
Resolution: 1 mV
Accuracy: ±(0.5% + 2 digits)

Conductivity Measurement:

Range: 1.999 mS, 19.99 mS
Resolution: 0.001, 0.01 mS
Accuracy: ±(3% FS + 1 digit)

Temperature Compensation: Automatic, 0 to 60°C (32 to 140°F)

TDS Measurement:

Range: 132 to 1320 ppm, 1320 to 13200 ppm
Resolution: 1, 10 ppm
Accuracy: ±(3% FS + 1 digit)
Temperature Compensation: Automatic, 0 to 60°C (32 to 140°F)

Temperature Measurement:

Range: 0 to 60°C (32 to 140°F)
Resolution: 0.1°
Accuracy: ±0.8°C (1.5°F)

Reference Conditions: 18 to 28°C (64 to 82°F)

Sampling Rate: 0.8 sec

Operating Ambient: 0 to 50°C (32 to 122°F), 80% RH max; 0 to 60°C (32 to 140°F) range for conductivity probe

Power: 9V battery, type MN1604 or equivalent; auto shut-off function

Weight: 250 g (0.55 lb) including battery

Dimensions:

Meter: 195 H x 68 W x 30 mm D (7.6 x 2.7 x 1.2")
Electrode: 120 L x 22 mm Dia (4.72 x 0.87"); 1 m (3.5') cable

Data Output: RS232

pH/ORP Connection: BNC



See page C-13 for additional pH and ORP electrodes.

PHH224, \$289, with optional PHE-1411 probe, \$63, shown smaller than actual size.

PHH224 comes complete with conductivity/TDS/temperature probe and carrying case.



Recommended Reference Book:
Advanced pH Measurement and Control,
FW-332, \$89.
See Section Y
For Additional Books



AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
PHH224	\$289	pH/conductivity/TDS meter with conductivity/TDS probe and carrying case

Accessories

Model No.	Price	Description
PHE-1411	\$63	pH lab electrode
ORE-1411	91	ORP electrode
CDE224	129	Replacement conductivity/TDS probe
SWCABLE	97	Cable and software for RS232
MN1604	3	Replacement 9V battery
PHA-4	5	pH 4 calibration solution
PHA-7	5	pH 7 calibration solution
PHA-10	5	pH 10 calibration solution

Comes complete with conductivity/TDS probe, carrying case, and 9V battery and operator's manual.

Ordering Example: PHH224, pH meter, PHE-1411, pH electrode, PHA-4, buffer 4, and PHA-7, buffer 7, \$289 + 63 + 5 + 5 = \$362.



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

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• Heaters

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