



pH FIELD & LAB INSTRUMENTS

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

PHH224



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

The PHH224 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

Sensor: Conductivity included, all others purchased separately

Display: 51 x 32 mm (2 x 1.3"), dual function LCD, 15 mm (0.6") digit

Measurement: pH/mV/ORP/conductivity/TDS

Ranges/Resolution/Accuracy:

pH: 0 to 14/0.01/±(0.02 pH +2d)

mV: -1999 to 1999 mV/1 mV/±(0.5% + 2d)

Conductivity:

2 mS: 0.2 to 2.0 mS/0.001 mS/±(3%FS +1d)

20 mS: 2 to 20.0 mS/0.01 mS/±(3%FS +1d)

2000 ppm: 132 to 1320 ppm/1 ppm/±(3%FS +1d)

20,000 ppm: 1320 to 13200 ppm/10 ppm/±(3%FS +1d)

Temperature: 0 to 60°C (32 to 140°F)/0.1/±0.8°C (1.5°F)

Input Impedance: 10¹² Ω

Temperature:

Manual: 0 to 100°C (32 to 212°F)

Automatic: ATC probe 0 to 65°C (32 to 149°F) compensation

Data Output: RS232

Data Hold: Yes

Sampling Time: Approx. 0.8 sec

Operating Temp: 0 to 50°C (32 to 122°F)

Operating Humidity: Less than 80% RH

Memory Recall: Maximum/Minimum

Power Supply: 9V battery (included)

Dimensions: 195 x 68 x 30 mm (7.7 x 2.7 x 1.2")

Weight: 250 g (0.55 lbs)

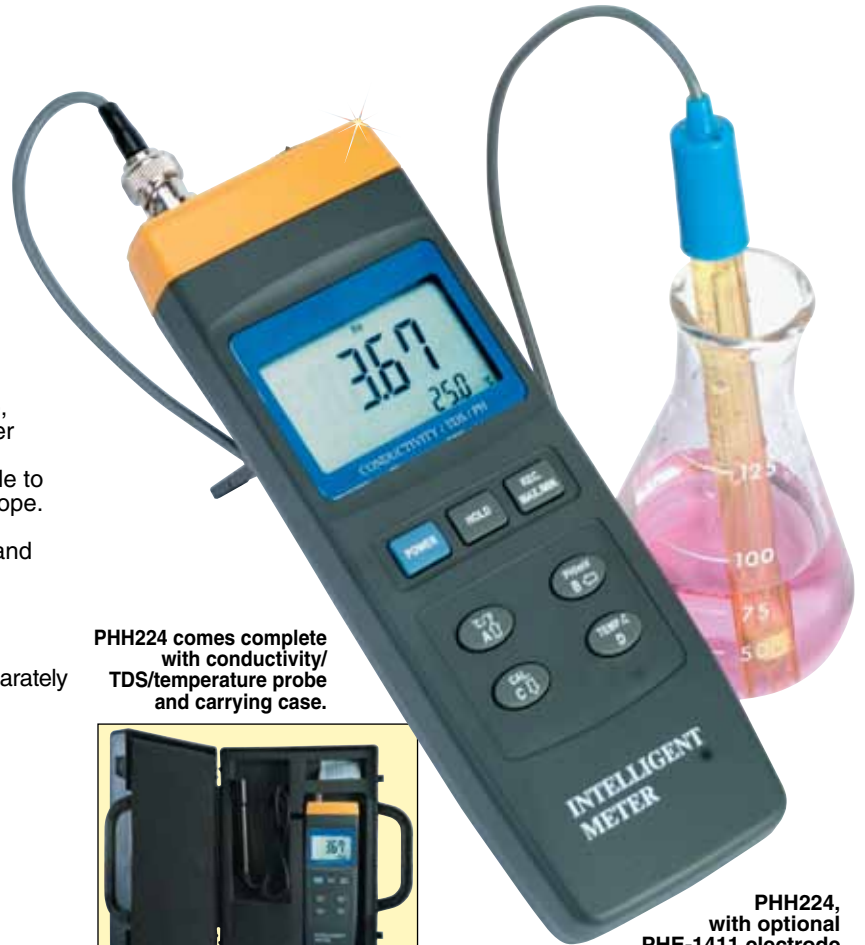
Probe Connections:

pH/ORP: BNC

Conductivity/TDS: Plug and play socket

Probe Specs	Temperature	Dimensions
Conductivity/ TDS(CDE224)	0 to 60°C (32 to 140°F)	22 mm Dia. x 120 mm length w/1 m (3.3') cable
Temp Probe (Thermistor) (PHAT2234)	0 to 65°C (32 to 149°F)	Probe: 3.9 mm Dia. x 106 mm length Handle: 11 mm Dia. x 60 mm length w/1 m (3.3') cable

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



PHH224, with optional PHE-1411 electrode shown smaller than actual size.

To Order	
Model No.	Description
PHH224	Meter with conductivity/TDS probe and carrying case; pH electrode sold separately

Accessories

Model No.	Description
PHE-1411	pH lab electrode
ORE-1411	ORP electrode
CDE224	Conductivity/TDS probe
SWCABLE	Cable and software for RS232
PHA-4	4.00 pH buffer solution 500 ml (1 pint) bottle
PHA-7	7.00 pH buffer solution 500 ml (1 pint) bottle
PHA-10	10.00 pH buffer solution 500 ml (1 pint) bottle
MN1604	Replacement 9V battery

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

Ordering Example: PHH224, pH meter, PHE-1411, pH electrode, PHA-4, buffer 4, PHA-7, buffer 7.