



## Portable pH, pH/Conductivity and pH/ORP Meters

**POCKET PAL®**

PHH-60BMS

**PHH-81A**



- ✓ Measures pH, pH/Conductivity, or pH/ORP
- ✓ Two Buttons Control All Operations
- ✓ Electrodes Fold Away into Handle When Not in Use
- ✓ Detachable Electrodes
- ✓ Integral Benchtop Stand
- ✓ RoHS 2 Compliant



The POCKET PAL Series of handheld instruments are rapidly becoming an industry favorite for field and laboratory applications. The electrodes are designed for easy field replacement and can be quickly calibrated with easy access two-point calibration potentiometers. Digital display, chemical resistant ABS plastic housings and probes that fold-away for protection make the POCKET PAL series ideal for portability and reliability.

The low cost PHH-81A is ideally suited for general pH measurements in field, plant, production line or laboratory environments. The PHH-81A features manual temperature

compensation and a standard BNC connector allowing for use with a wide variety of laboratory and industrial pH electrodes.

For versatility in the field or the laboratory, the PHH-60BMS/TDS and PHH80BMS/TDS feature the ability to make pH, conductivity and total dissolved solids measurements in one handheld instrument. The PHH-60B measures pH from 0 to 14 and conductivity from 0 to 19,990  $\mu$ mhos or ppm, and the PHH-80B extends the conductivity measuring range to 199,900  $\mu$ mhos or ppm. Recessed switches control all functions, and an easy access panel contains adjustments

for pH calibration and slope, zero and span for conductivity. Features include automatic temperature compensation (ATC), detachable electrodes and integral benchtop stand.

The PHH-82B is a dual-function instrument that measures pH and ORP (oxidation-reduction potential). It is ideal for measurements of ORPs that are pH dependent. Applications include swimming pool maintenance, drinking water disinfection, chrome reduction and cyanide destruction of electroplating. Features include detachable electrodes and integral benchtop stand.



## Dual pH/Conductivity The Most Popular POKET PAL® Meters

### Specifications

PHH-60BMS/TDS  
and PHH-80BMS/TDS  
pH Range: 0 to 14 pH  
Resolution: 0.01 pH  
Accuracy: ±0.02 pH



## PHH-60BMS

PHH-60BMS shown smaller than actual size.

CDE-8236A

Detachable electrode, PHE-8200B on 1 m (3') extension cables, PHE-8236B.

### Temperature Compensation:

Automatic 0 to 70°C (32 to 158°F)

### Conductivity

#### Range:

PHH-60BMS: 0 to 19,990 µmhos

PHH-60BTDS: 0 to 19,990 ppm

PHH-80BMS: 0 to 199,900 µmhos

PHH-80BTDS: 0 to 199,900 ppm

#### Resolution:

PHH-60BMS/TDS: 10 µmhos/ppm

PHH-80BMS/TDS: Range 0 to 2000

1 µmhos/ppm; 0 to 20,000 10 µmhos/

0 to 200,000, 100 µmhos

#### Accuracy: ±2% of span

### Temperature Compensation:

Automatic 0 to 50°C (32 to 122°F)

### PHH-81A

Range: 0 to 14 pH

Resolution: 0.01 pH

Accuracy: ±0.2 pH

Connector: BNC

### Temperature Compensation:

Manual 0 to 100°C (32 to 212°F)

### PHH-82B

Range: 0 to 14 pH, ±1000 mV ORP

Accuracy: ±0.02 pH; ±15 mV ORP

Resolution: 0.01 pH; 1 mV

### Automatic Temperature

Compensation: Automatic 0 to 70°C

(32 to 158°F)

Power: 9V battery (included)

### Dimensions:

158.8 L x 31.8 D x 57.2 mm H

(6.25 x 1.25 x 2.25")

Weight: 241 g (8.5 oz)

## To Order

Model No.	Description
PHH-60BMS	pH/Conductivity meter, 0 to 14 pH, 0 to 19,990 µmhos
PHH-60BTDS	pH/Conductivity meter, 0 to 14 pH, 0 to 19,990 ppm
PHH-80BMS	pH/Conductivity meter, 0 to 14 pH, 0 to 199,900 µmhos
PHH-80BTDS	pH/Conductivity meter, 0 to 14 pH, 0 to 199,900 ppm
PHH-82B	pH and ORP, 0 to 14 pH, ±1000 mV
PHH-81A	General purpose pH meter, 0 to 14 pH

## Replacement Sensors and Accessories

Model No.	Description
PHE-8200B	PHH-60/80BMS/TDS replacement stick pH electrode w/ATC
PHE-8200D-BNC	PHH-60/80BMS/TDS replacement stick pH double junction electrode with ATC
PHE-8236B	PHH-60/80BMS/TDS replacement pH electrode with 1 m (3') extension cable with ATC
CDE-8200A	PHH-60/80BMS/TDS replacement stick conductivity cell
CDE-8236A	PHH-60/80BMS/TDS replacement conductivity cell with 1 m (3') extension cable
ORE-8200	PHH-82B ORP replacement stick electrode
PHEC-60B	PHH-60/80BMS/TDS 1 m (3') pH extension triax cable
CDEC-60	PHH-60/80BMS/TDS 1 m (3') conductivity extension cable
PHE-8200-BNC	Triaxial-to-BNC adaptor for PHH-60/80BMS/TDS
PHE-8100	PHH-81A replacement stick pH electrode
PHE-8136	PHH-81A replacement pH electrode with 1 m (3') extension
MN1604	Replacement 9V battery

Comes complete with sensor(s), screwdriver, vinyl carrying case, 9V battery and operator's manual.

Ordering Examples: PHH-80BMS, pH/Conductivity meter, 0 to 14 pH and 0 to 199,900 µmhos ranges.

PHH-60BMS, pH/Conductivity meter, 0 to 14 pH and 0 to 19,990 µmhos ranges.