

Large dual display shows pH or mV plus temperature readings, and indicators which signal function and meter status.



Back panel has quick connections for electrode, ATC probe, and recorder output.



Slide-out instruction card with trouble shooting tips and a keypad reference stores neatly at bottom of meter.



Sturdy benchtop electrode holder keeps your probe steady and away from the sides of your container (order separately).



Calibration solutions are available in economical bottles or convenient pouches with a tear-off top (order separately).



pH 500 Benchtop Meter

• Applications •

General Applications: Ideal for all kinds of water quality and chemical testing in the laboratory. Suitable for most ASTM and EPA test procedures.

Education Applications: Ideal for students at all levels; suitable for all types of chemistry lab and ecology studies.

Industrial Applications: Boiling water/cooling water testing, food processing water testing, process and wastewater testing in metal finishing, printing and chemical industries. Also used in aquarium and hydroponics industries.

• Specifications •

Type	pH	mV	Temperature
Range	0.00 to 14.00 pH	±400 mV and ±1999 mV	0 to 100°C
Resolution	0.01 pH	0.1 mV from ±400 mV, 1 mV beyond ±400 mV	0.1°C
Accuracy	±0.01 pH	±0.2 mV from ±400 mV, ±2 mV beyond ±400 mV	0.5°C
Calibration	Up to three calibration points (4.01, 7.00, 10.00)	—	Offset up to ±5°C
Connectors	BNC	BNC	mini phono plug

Power: 9 VDC, 500 mA; using AC adapter (included); choose from 110 VAC, 60 Hz or 220 VAC, 50 Hz models. AC adapter is CSA and UL listed.

Input impedance: >10¹² Ω

Temperature Compensation: Selectable Manual or Automatic from 0 to 100°C

Recorder output: ±1999 mV (directly proportional to input)

Recorder output connector: mini pin (subminiature phono plug)

Display: Dual display of measurement with temperature and mode annunciators

Error messages: Diagnose operator error, electrode error, and meter error. Pull-out instruction card decodes message

Operating Temperature: 0 to 50°C, non condensing humidity

Dimensions:

Meter: 9" x 7" x 2.375" (23 x 18 x 6 cm)

Boxed: 15.5" x 10" x 3.5" (39 x 25 x 9 cm)

Weight: Meter only 1.25 lbs (0.6 kg); Boxed 3 lbs (1.4 kg)

• Ordering Information •

pH 500 Meters

All meters include AC adapter and instructions.

Meter only

WD-35617-02 pH 500 meter, 110 VAC

WD-35617-07 pH 500 meter, 220 VAC

Meter with single-junction pH electrode (WD-35801-00) and separate temperature probe (WD-35615-05)

WD-35617-00 pH 500 meter, 110 VAC

WD-35617-05 pH 500 meter, 220 VAC

Meter with "All in One" combination temperature sensor/ single-junction pH electrode (WD-35801-71)

WD-35617-03 pH 500 meter, 110 VAC

WD-35617-08 pH 500 meter, 220 VAC

pH "Singles" Calibration Buffer Pouches

Each single-use pouch contains 20 ml of fresh calibration solution (see picture below left). ±0.01 pH accuracy at 25°C. Certified to NIST traceable standards. Shpg wt 1 lb (0.5 kg). Box of 20.

WD-35653-01 pH "Singles", 4.01

WD-35653-02 pH "Singles", 7.00

WD-35653-03 pH "Singles", 10.00

WD-35653-00 pH "Singles", rinse water

WD-35653-04 pH "Singles", assortment pack,
5 each of pH 4.01; 7.00; 10.00 and rinse water

pH Calibration Buffer Solution Bottles

1 pint of calibration solution each. ±0.01 pH accuracy at 25°C. Certified to NIST traceable standards. Shpg wt 1.3 lbs (0.6 kg).

WD-00654-00 pH 4.01 calibration buffer

WD-00654-04 pH 7.01 calibration buffer

WD-00654-08 pH 10.01 calibration buffer

Electrodes

WD-35805-04 Laboratory pH electrode, double junction, glass body, refillable. 110 mm x 12 mm dia.

WD-35801-00 pH electrode, single junction; epoxy body, 146 mm L x 12 mm dia

WD-35615-05 Temperature (ATC) probe, 304 SS, 85 mm L

WD-35801-71 "All-in-One" combination pH/temperature probe, single junction, epoxy body, 147 x 12 mm dia

WD-35801-72 "All-in-One" combination pH/temperature probe, double junction, epoxy body, 147 x 12 mm dia

WD-35805-13 ORP electrode, single junction, epoxy body, 146 mm L x 12 mm dia

WD-35805-15 ORP electrode, double junction, epoxy body, 146 mm L x 12 mm dia

WD-35617-50 Benchtop electrode holder, 360° pivot, holds four electrodes (up to 12 mm dia) and temperature probe. Box dimensions: 9"L x 15"W x 10"H. Shpg wt 4 lbs

OAKTON offers a wide selection of pH and ORP electrodes; contact your OAKTON distributor for more information.

• ORDER FROM •