



pH 510 Meter

Our most economical benchtop meter—
a best buy in its price range!

Low cost plus high performance

- ▼ This meter offers laboratory-quality readings for a very economical cost

Dual display shows both pH (or mV) and temperature

- ▼ Plus mode indicators and annunciators to signal meter status

Three-point pH calibration with auto buffer recognition

- ▼ Calibrate at 4.01, 7.00, and 10.01 for high accuracy across the entire measuring range

Selectable buffer sets

- ▼ Choose from USA or NIST buffer sets

Switch from pH to mV readings with a button press

Features 0.1 mV resolution for ORP measurements

Available with built-in electrode stand

- ▼ Holds electrode firmly in place

Selectable manual or automatic temperature compensation

- ▼ For high accuracy with or without a temperature sensor

Built-in memory function

- ▼ Stores up to 50 pH, mV, or relative mV readings with corresponding temperature

Analog recorder output

- ▼ Create hard copies of your readings

Hold function, "Ready" indicator, diagnostic error messages

Slide-out instruction card for quick reference



Shown with available electrode stand and slide-out instruction card (included).

35619-10

ISO9001:2000 CERTIFIED SUPPLIER CE 3 year warranty

Specifications

Mode	pH	mV	Temperature
Range	0.00 to 14.00 pH	±1999 mV	0 to 100.0°C
Resolution	0.01 pH	0.1 mV from ±199.9 mV, 1 mV beyond ±199.9 mV	0.1°C
Accuracy	±0.01 pH	±0.2 mV from ±199.9 mV, ±2 mV beyond ±199.9 mV	±0.3°C
Calibration	Up to 3 points (USA: 4.01; 7.00; 10.01 or NIST: 4.01, 6.86; 9.18); auto-buffer recognition	Offset up to ±150 mV	Offset 0.1°C increments up to ±5°C

Input impedance: >1012 Ω

Temperature compensation: selectable manual or automatic from 0 to 100°C

Memory: up to 50 sets, pH and temperature

Recorder output: ±2000 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, noncondensing humidity

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

Dimensions

Meter: 9"W x 7"L x 2.375"D (23 x 18 x 6 cm)
Boxed: 15.5"W x 10"L x 3.5"D (39 x 25 x 9 cm)

Weight

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

Ordering Information

Catalog number	Description	Included
WD-35619-02	pH 510 meter only	Meter and AC adapter
WD-35619-03	pH 510 meter	Meter, "All-in-One" temperature/single-junction pH electrode with electrode 35811-71, and AC adapter
WD-35619-12	pH 510 meter with stand	Meter, electrode stand, and AC adapter
WD-35619-10	pH 510 meter kit	Meter, double-junction pH electrode 35805-04, temperature probe 35613-05, electrode stand, and AC adapter