

# pH 700 Meter

**Our most economical benchtop meter—now with a space-saving footprint and easier-to-read display!**

**Low cost plus high performance** – This meter offers laboratory-quality readings for a very economical cost

**Compact design uses less benchspace** – Meter is 40% smaller to fit into today's crowded laboratories

**Oversized display** – Dual display shows both pH (or mV) and temperature

**Up to five-point pH calibration with auto buffer recognition** – Calibrate at 1.68, 4.01, 7.00, 10.01, and 12.45 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 removable electrode holder** – 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 100 pH, mV, or relative mV readings with corresponding temperature

**Hold function, "Ready" indicator, diagnostic error messages**

**Slide-out instruction card for quick reference**

**New**



Shown with electrode holder.

35419-12

ISO9001:2000  
CERTIFIED SUPPLIER



**3** year  
warranty  
meter only

## Specifications

Mode	pH	mV	Temperature
<b>Range</b>	-2.00 to 16.00 pH	±2000 mV	0 to 100.0°C (32 to 212°F)
<b>Resolution</b>	0.01 pH	0.1 mV from ±199.9 mV, 1 mV beyond ±199.9 mV	0.1°C or 0.1°F
<b>Accuracy</b>	±0.01 pH	±0.2 mV from ±199.9 mV, ±2 mV beyond ±199.9 mV	±0.3°C (±0.5°F)
<b>Calibration</b>	Up to 5 points (USA: 4.01; 7.00; 10.01, 12.45 or NIST: 1.68, 4.01, 6.86; 9.18, 12.45); auto-buffer recognition	Offset up to ±150 mV	Offset 0.1°C increments up to ±5°C

**Temperature compensation:** selectable manual or automatic from 0 to 100°C (32 to 212°F)

**Memory:** up to 100 sets, pH and temperature

**Output:** None

**Display:** 3¼" x 2⅞" (8.3 x 6.2 cm) dual LCD with temperature and mode annunciators

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

**Operating temperature:** 5 to 45°C (41 to 113°F), noncondensing humidity

**Power:** 100/240 VAC, 50/60 Hz using AC adapters (included). AC adapters are UL and CSA listed.

**Dimensions**

**Meter:** 6⅞" x 6⅞" x 2¾" (15.5 x 17.5 x 6.9 cm)

**Boxed:** 9" x 12¾" x 5" (23 x 35 x 12.5 cm)

**Weight**

**Meter only:** 1.4 lb (0.6 kg); **Boxed:** 4 lb (1.8 kg)



Education



Laboratory

## Ordering Information

Catalog number	Description	Included
WD-35419-00	pH 700 meter	Meter and AC adapter
WD-35419-03	pH 700 meter with electrode	Meter, single-junction "All-in-One" temperature pH electrode 35811-71, and AC adapter
WD-35419-12	pH 700 meter with electrode holder	Meter, electrode holder, and AC adapter
WD-35419-10	pH 700 meter kit	Meter, double-junction pH electrode 35805-04, temperature probe 35613-13, electrode holder, and AC adapter