OAKTON®
INSTRUMENTS

pH/Ion

pH 700 Meter

Our most economical benchtop meter—with a space-saving footprint and easy-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

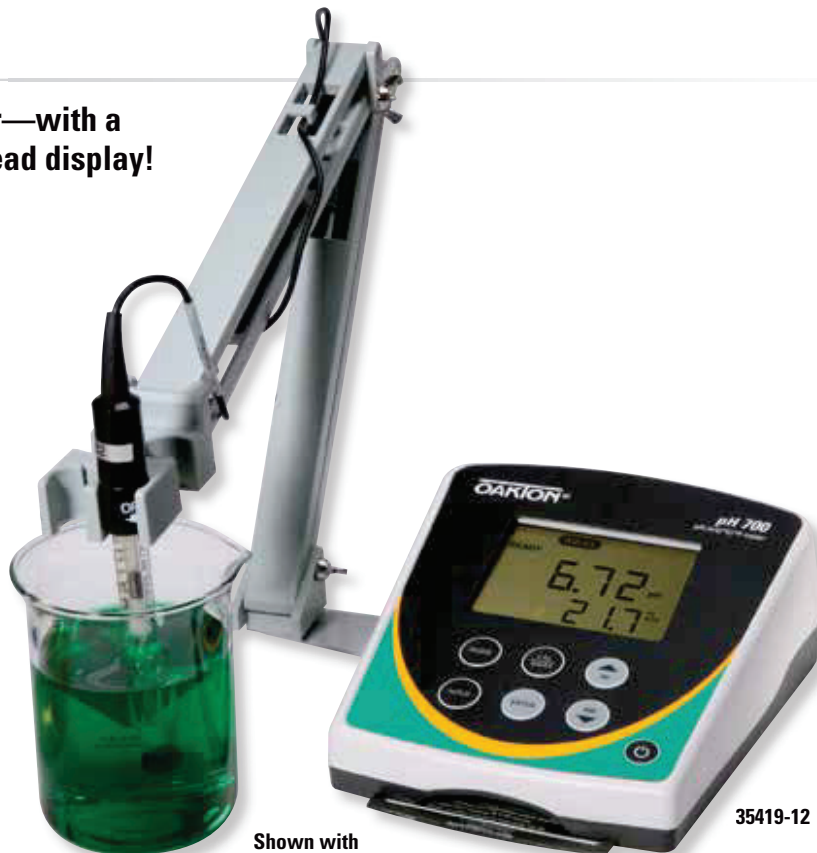**Features 0.1 mV resolution for ORP measurements**

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

Shown with electrode holder.

35419-12

ISO9001:2008 CERTIFIED SUPPLIER CE **3** year warranty meter only

Specifications

Mode	pH	mV	Temperature
Range	−2.00 to 16.00 pH	±2000 mV	0 to 100.0°C (32 to 212°F)
Resolution	0.01 pH	0.1 mV from ±199.9 mV, 1 mV beyond ±199.9 mV	0.1°C or 0.1°F
Accuracy	±0.01 pH	±0.2 mV from ±199.9 mV, ±2 mV beyond ±199.9 mV	±0.3°C (±0.5°F)
Calibration	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: 6⅛" 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)

Ordering Information

Catalog number	Precalibrated catalog number	Description	Included
WD-35419-00	**WD-35419-01**	pH 700 meter	Meter and AC adapter
WD-35419-03	**WD-35419-05**	pH 700 meter with electrode	Meter, single-junction "All-in-One" temperature pH electrode 35811-71, and AC adapter
WD-35419-12	**WD-35419-15**	pH 700 meter with electrode holder	Meter, electrode holder, and AC adapter
WD-35419-10	**WD-35419-11**	pH 700 meter kit	Meter, double-junction pH electrode 35805-04, temperature probe 35613-13, electrode holder, and AC adapter

WD-35420-54 Replacement electrode holder
WD-35420-72 Replacement power adapter, 110/220 VAC

Ensure the accuracy of your meter—Calibrate. InnoCalSolutions.com