

# OAKTON®

Waterproof pH/mV/°C and pH/mV/°C/°F

## pH 300 and pH 310

Highly advanced microprocessor-based pH meters with a superior waterproof housing...and they FLOAT!

**Durable waterproof and dustproof design with IP67 rating**

**Push-button pH calibration at five points**

1.68; 4.01; 7.01; 10.01; and 12.45

**Automatic buffer recognition**

**Selectable Manual or Automatic Temperature Compensation**  
for the highest accuracy in any situation

**Stores and recalls 16 readings with corresponding temperature**

**Easy to clean housing**

ideal for dirty, wet environments or food related applications

**Advanced setup mode**

lets you customize meter to your application

**Hold function, Ready indicator, Automatic shutoff**

**pH 310 features:**

**Expanded memory stores and recalls up to 50 readings with temperature**

**Built-in real-time clock**

stamps stored data and calibration data with date and time—meets standards for GLP (Good Laboratory Practices)

**°C/°F Selectable**

**Features automatic endpoint**

automatically freezes reading when stable

**Selectable buffer sets for NIST, DIN and Standard US buffers**

calibrate at up to six points

USA: 1.68, 4, 7, 10, 12.45

NIST: 1.68, 4.01, 6.86, 9.18, 12.45

DIN: 1.09, 2.06, 4.65, 6.79, 9.23, 12.75



**3** year warranty  
meter only

CE

ISO 9001  
vendor  
CERTIFIED

*Above:* pH 300 portable meter shown with "All-in-One" combination pH electrode/temperature sensor.

*Top right:* floating pH 310 shown with "All-in-One" combination pH electrode/temperature sensor.

*Lower right:* Waterproof meter kits contain everything you need for calibration and measurement.

**Perfect for conditions that ruin ordinary pH meters!** The OAKTON pH 300 and 310 feature a superior waterproof and dustproof housing with an IP67 rating. These meters read pH, mV or relative mV and temperature in °C. The pH 310 also reads temperature in °F. Both meters have an excellent  $\pm 0.01$  pH accuracy.

The ergonomic design of the pH 300 and 310 fits comfortably in your hand. Use the electrode bracket to position the electrode for one-handed operation. Advanced setup mode lets you customize meter parameters and check electrode slope and offset value to assure electrode accuracy.

The Waterproof Series pH 300 and pH 310 meters are available in kits and include all the components for fast, consistent calibration and measurement. See the back of this sheet for ordering information, complete specifications and accessories.

**OAKTON®** ...setting the standard, again and again™

Large dual LCD shows measurement plus temperature, units and current function.



Easy-access waterproof connections for electrode and temperature probe are located on the meter's top.



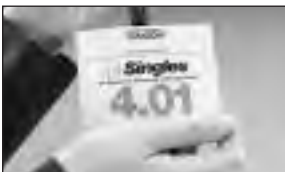
Superior waterproof housing that FLOATS for those accidental drops into water.



Meter kits store and organize all the components you need for fast, consistent calibration and measurement.



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



## Waterproof pH 300 and pH 310 Meters

### • Applications •

**Industrial Applications:** Ideal for pH checks in water conditioning plants, cooling towers, plating and finishing operations, food processing (for HACCP compliance), water testing, the printing and chemical industries, water and waste water treatment, rinse water analysis, and chemical process verification.

**Environmental/Agricultural Applications:** Use in ecology studies, aquariums, and hydroponics.

**Laboratory Applications:** Use in all types of food analysis, quality assurance testing, any laboratory where GLP data management is required, petrochemical, chemical and titration applications.

**ORP Applications:** Use with ORP electrode (model WD-35805-13 or -15; order below) to monitor plating operations, ozonation system efficiency, and other redox measurements.

### • Specifications •

		pH 300 series meter	pH 310 series meter
Range	pH	-2.00 to 16.00	-2.00 to 16.00
	Temp	0.0 to 100.0°C	0.0 to 100.0°C; 32.0 to 212.0°F (selectable)
	mV	-2000 to +2000 mV	-2000 to +2000 mV
Resolution	pH	0.01 pH	0.01 pH
	Temp	0.1°C	0.1°C; 0.1°F
	mV	0.1 mV ±199.9 mV; 1 mV beyond ±199.9 mV	0.1 mV ±199.9 mV; 1 mV beyond ±199.9 mV
Accuracy	pH	±0.01 pH	±0.01 pH
	Temp	±0.5°C	±0.5°C; ±0.5°F
	mV	±0.2mV ±199.9 mV; ±2mV beyond ±199.9 mV	±0.2mV ±199.9 mV; ±2mV beyond ±199.9 mV
Calibration	pH	Up to 5 buffer values: 1.68, 4.01, 7.01, 10.01, 12.45	Up to 6 buffer values (select from 3 sets): USA: 1.68, 4, 7, 10, 12.45 NIST: 1.68, 4.01, 6.86, 9.18, 12.45 DIN: 1.09, 2.06, 4.65, 6.79, 9.23, 12.75
	Temp	Offset 0.1°C increments	Offset 0.1°C or 0.1°F increments
	mV	Offset up to ±150 mV	Offset up to ±150 mV

#### Temperature Compensation:

Automatic or Manual (selectable) from 0 to 100°C

Operating Temperature: 0 to 50°C (32 to 122°F)

#### Memory:

pH 300: Up to 16 sets

pH 310: Up to 50 sets

Real-time clock (pH 310 only): Stamps calibration data and stored data with time and date (month and day)

Power: 4 x 1.5 V AAA batteries, >100 hours continuous use (included)

#### Dimensions:

Meter: 7.5"L x 3.75"W x 2.25"H (19 x 9.5 x 5.7 cm)

Boxed: 9.2"L x 9.2"W x 2.75"H (23 x 23 x 7 cm)

Weight: Meter: 1.0 lb (0.5 kg); Boxed: 1.4 lbs (0.6 kg)

### • Ordering Information •

#### Waterproof pH Meters

All meters include operating instructions, two electrode holders and batteries. Shpg wt 1.4 lb (0.6 kg).

#### Meter only

WD-35618-02 Waterproof pH 300 meter

WD-35618-12 Waterproof pH 310 meter

#### Meter with "All-in-One" probe WD-35808-71

WD-35618-03 Waterproof pH 300 meter

WD-35618-13 Waterproof pH 310 meter

**Waterproof meter kits.** Include meter, "All-in-One" probe, 5 each of pH "Singles" buffer pouches pH 4.01; 7.00; 10.00; and rinse water, squeeze bottle, batteries, instructions, two electrode brackets, and hard carrying case. Shpg wt 2.0 lb (0.9 kg).

WD-35618-70 Waterproof pH 300 meter kit

WD-35618-72 Waterproof pH 310 meter kit

**Deluxe pH meter kit (meter sold separately).** Includes 5 each of pH "Singles" buffer pouches pH 4.01; 7.00; 10.01; and rinse water, squeeze bottle, and hard carrying case. Shpg wt 2.0 lb (0.9 kg).

WD-35614-79 Deluxe pH meter kit

#### pH Calibration Buffer 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-00654-01 pH 1.68 calibration buffer

WD-00654-00 pH 4.01 calibration buffer

WD-00654-04 pH 7.00 calibration buffer

WD-00654-08 pH 10.00 calibration buffer

WD-00654-12 pH 12.45 calibration buffer

#### pH "Singles" Calibration Buffer Pouches

Each single-use pouch contains 20 ml of fresh calibration solution. ±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

#### Electrodes and Accessories

These electrodes have an epoxy body and measure 5.75"L x 0.5" (12 mm) dia. Shpg wt 0.5 lb (0.2 kg) each.

WD-35808-71 Replacement "All-in-One" combination pH/temperature probe, single junction, sealed

WD-35808-72 "All-in-One" combination pH/temperature probe, double junction, sealed

WD-35801-00 pH electrode, single-junction

WD-35805-01 pH electrode, double-junction

WD-35805-13 ORP electrode, single-junction

WD-35805-15 ORP electrode, double-junction

WD-35618-05 Temperature probe, 316 SS, polypropylene cap, 3-ft cable

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

### • ORDER FROM •