

# OAKTON®

## Waterproof pH/conductivity/TDS/°C/°F pH/CON 300 Meter

**A waterproof meter that does it all! Measure pH, conductivity, TDS and temperature with just one meter!**

**Waterproof and dustproof with IP67 rating—It FLOATS!**

**Toggle between pH, TDS, and conductivity readings**

**Dual display shows measured parameter plus temperature (°C/°F)**

read two parameters at a glance

**Advanced set up mode**

recalls previous calibration points, pH electrode slope and offset, conductivity/TDS effective cell constants per range, and more

**Easy push-button calibration**

Five-point calibration for pH and either conductivity or TDS; temperature offset calibration

**pH auto buffer recognition**

for fast, easy pH calibration

**Auto ranging for conductivity and TDS measurements**

for fast response and best resolution over a wide range

**Selectable Manual or Automatic Temperature Compensation**

for the highest accuracy in any situation

**Selectable automatic endpoint**

automatically freezes reading when stable for five seconds

**Easy to clean housing**

ideal for dirty, wet environments

**Separate pH and conductivity/TDS probes**

lets you use specialty probes for different applications

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

ISO 9001  
Vendor  
CERTIFIED

3 year  
warranty  
meter only

CE



Above: pH/CON 300 meter with pH electrode (included).

Top right: pH/CON 300 with combination conductivity/TDS/temperature probe (included).

Middle right: pH/CON 300 kit.

Bottom middle and right: Switch between pH, conductivity and TDS readings with temperature.



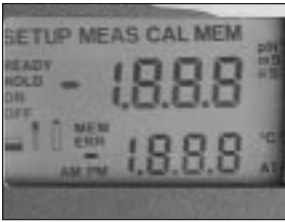
**Finally, a waterproof meter that does it all! Measure pH, TDS, conductivity and temperature with one meter.** This meter's advanced setup mode lets you customize meter parameters, recall calibration values for both pH and conductivity (TDS), pH electrode slope/offset, effective conductivity cell constant per range, and more!

The OAKTON pH/CON 300 features a superior waterproof and dustproof housing with an IP 67 rating. This meter uses separate probes to let you select specialty probes for different applications.

The pH/CON 300 comes with pH electrode, combination conductivity cell and temperature sensor, instructions, and batteries. pH/CON 300 kits are available. 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 probes are located on the meter's top.



Superior waterproof housing that FLOATS protects against 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/CON 300 Meter

## • Applications •

**Environmental / Agricultural Applications:** Use this meter in ecology studies, aquaculture, and hydroponics.

**Industrial applications:** Use this meter to check metal finishing, cooling tower water, printing fountain solutions, boiler water, brines, rinse tanks, ponds, pollution control, recirculating systems, and waste water.

**Water Quality Testing:** This meter is great for analyzing water hard water, drinking water, effluent water, and incoming process water. It's ideal for all types of quality assurance and water quality testing.

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

**Educational Applications:** This economical meter is ideal for quick pH and conductivity checks in labs and schools.

## • Specifications •

	pH	Conductivity	TDS	Temperature
Range	-2.00 to 16.00 pH	0 to 19.99 $\mu$ S, 0 to 199.9 $\mu$ S, 0 to 1999 $\mu$ S, 0 to 19.99 mS, 0 to 199.9 mS	0.00 to 9.99 ppm, 10.0 to 99.9 ppm, 100 to 999 ppm, 1.00 to 9.99 ppt, 10.0 to 99.9 ppt, 100 to 200 ppt	0.0 to 100.0°C, 32.0 to 212.0°F
Resolution	0.01 pH	0.01 $\mu$ S, 0.1 $\mu$ S, 1 $\mu$ S, 0.01 mS, 0.1 mS	0.01, 0.1, 1 ppm; 0.01, 0.1, 1 ppt	0.1°C, 0.1°F
Accuracy	$\pm$ 0.01 pH	$\pm$ 1% full scale	$\pm$ 1% full scale	$\pm$ 0.5°C, $\pm$ 0.5°F offset
Calibration	up to five points (1.68; 4.01; 7.00; 10.00; 12.45)	up to five points (one per range)	up to five points (one per range)	0.1°C/0.1°F increments

Temperature Compensation: Automatic or manual (selectable) from 0 to 100°C

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

Conductivity cell constant (K): fixed at K = 1.0

Conductivity temperature coefficient: adjustable from 0.0 to 10.0% per °C or °F

Conductivity-to-TDS factor: adjustable from 0.4 to 1.0

Normalization temperature: adjustable from 15°C to 30°C

Power: 4 x 1.5 V AAA batteries >200 hours continuous use (included)

Dimensions:

Meter: 7.5"L x 3.5"W x 1.75"H (19 x 9 x 4.5 cm)

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

Weight: Meter: 1.0 lb (0.45 kg); Boxed: 2.0 lbs (0.9 kg)

## • Ordering Information •

### pH/CON 300 Meter

Includes pH electrode with 3-ft cable, combination conductivity/temperature probe with 3-ft cable, operating instructions, and batteries. Shipping weight 1.4 lbs (0.64 kg)

**WD-35631-00 pH/CON 300 meter**

**pH/CON 300 Meter Kit.** Includes pH/CON 300 meter, pH electrode with 3-ft cable, combination conductivity/temperature probe with 3-ft cable, Calibration solution pouches (three each pH 4.01; 7.00; 10.00 and two each conductivity 447  $\mu$ S; 1413  $\mu$ S; 2764  $\mu$ S, 15,000  $\mu$ S), 3 rinse water pouches, sample bottle, instructions and hard carrying case. Shpg wt 2.0 lb (0.91 kg)

**WD-35631-60 pH/CON 300 meter kit**

### Calibration Solutions

"SINGLES" calibration solution pouches. Each pouch contains 20 ml of fresh, calibration solution. pH "Singles":  $\pm$ 0.01 pH accuracy at 25°C. Conductivity "Singles":  $\pm$ 1% accuracy at 25°C; include NaCl, KCl and 442 TDS conversion factors. 20 pouches/box. Shpg wt 1.1 lb (0.5 kg)

**WD-35653-01 pH "Singles"; pH 4.01**

**WD-35653-02 pH "Singles"; pH 7.00**

**WD-35653-03 pH "Singles"; pH 10.00**

**WD-35653-00 pH "Singles"; rinse water**

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

**WD-35653-09 Conductivity "Singles", 10  $\mu$ S**

**WD-35653-10 Conductivity "Singles", 447  $\mu$ S**

**WD-35653-11 Conductivity "Singles", 1413  $\mu$ S**

**WD-35653-12 Conductivity "Singles", 2764  $\mu$ S**

**WD-35653-13 Conductivity "Singles", 15,000  $\mu$ S**

**Calibration solution bottles.** 1 pint calibration solution. pH solutions have  $\pm$ 0.01 pH accuracy at 25°C. Conductivity solutions have  $\pm$ 1% accuracy at 25°C and include NaCl, KCl and 442 TDS conversion factors. Shpg wt 1.1 lb (0.5 kg)

**WD-00654-00 Calibration solution bottle, pH 4.01**

**WD-00654-04 Calibration solution bottle, pH 7.00**

**WD-00654-08 Calibration solution bottle, pH 10.00**

**WD-00653-23 Calibration solution bottle, 23  $\mu$ S**  
(11.6 ppm KCl, 10.7 ppm NaCl, 14.74 ppm 442)

**WD-00653-16 Calibration solution bottle, 84  $\mu$ S**  
(40.38 ppm KCl, 38.04 ppm NaCl, 50.50 ppm 442)

**WD-00653-47 Calibration solution bottle, 447  $\mu$ S**  
(225.6 ppm KCl, 215.5 ppm NaCl, 300.0 ppm 442)

**WD-00653-18 Calibration solution bottle, 1413  $\mu$ S**  
(744.7 ppm KCl, 702.1 ppm NaCl, 1000 ppm 442)

**WD-00653-89 Calibration solution bottle, 8974  $\mu$ S**  
(5101 ppm KCl, 4487 ppm NaCl, 7608 ppm 442)

**WD-00653-50 Calibration solution bottle, 15,000  $\mu$ S**  
(8759 ppm KCl, 8532 ppm NaCl, 13,455 ppm 442)

### Probes

All probes have a 3-ft cable. Shpg wt 0.5 lb (0.2 kg) each.

**WD-35641-51 Replacement pH electrode,** double junction, sealed, Polygel, 5.75"L x 0.5" (12 mm) dia

**WD-35608-50 Replacement combination conductivity/TDS temperature probe** K=1.0, 5"L x 0.6" (16 mm) dia.

**WD-35808-71 "All-in-One" combination pH/temperature probe** single junction, sealed, 5.75"L x 0.5" (12 mm) dia

**WD-35618-05 Temperature probe.** Provides ATC for pH when used with pH electrodes without ATC

## • ORDER FROM •