

OAKTON®

Waterproof pH/dissolved oxygen/°C/°F pH/DO 300 Meter

Measure pH, dissolved oxygen and temperature with one waterproof, dustproof meter that FLOATS!

Waterproof and dustproof with IP67 rating

Toggle between dissolved oxygen/temperature and pH/temperature for the convenience of three meters in one!

Backlit display with adjustable brightness—ideal for viewing readings in dark areas

Automatic Temperature Compensation

Display probe diagnostics view slope, offset and millivolt values for both pH and DO

°C/°F selectable

Meter kits available

DO features:

No meter warm-up required

galvanic DO probe design lets you take measurements immediately without typical 15 minute to 4 hour wait!

Easy-to-service, low maintenance DO probe

replaceable membrane cap assembly makes DO probe maintenance hassle-free

Salinity and pressure compensation

key in values and meter automatically compensates for increased accuracy

Independent 100% and zero adjustment calibrations

for high accuracy over the full meter range

Offset adjustment capabilities

calibrate your meter to a known work standard or titrimetrically determined value

pH features:

Push-button pH calibration at five points with automatic buffer recognition

1.68; 4.01; 7.00; 10.01; and 12.45



Above: The pH/DO 300 meter with DO probe and pH electrode.

Above right: The pH/DO 300 features an adjustable backlit display for taking readings in dark areas.

Middle right: These meters have an IP67 housing that floats!

Lower right: pH/DO 300 meter kit contains everything you need for calibration, measurement and membrane replacement.

Carry one meter, not three! Measure pH, dissolved oxygen (mg/L, ppm or % saturation) and temperature (°C or °F selectable). The completely waterproof pH/DO 300 does the work for you; automatically calculating barometric pressure and salinity offset values while insuring high accuracy with automatic temperature compensation and independent 100%, zero, and offset adjustment capabilities.

Each meter includes an easy-to-service dissolved oxygen/temperature probe, pH electrode, electrolyte solution and batteries. Features include Hold function, Ready indicator, and automatic shutoff after 30 minutes of nonuse. Their waterproof construction lets you thoroughly wash the meter to maintain working condition.

The pH/DO 300 meter is available in a kit that contains everything you need for calibration, measurement and membrane replacement. It's an ideal way to store and transport the meter. See the back of this sheet for ordering information and complete specifications.

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

Dissolved oxygen

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



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



Superior waterproof housing that FLOATS for accidental drops into water.



pH/DO kit protects, stores and organizes all the components you need for calibration, measurement and membrane replacement.



Easy-to-use replacement membrane assembly—simply fill with electrolyte solution and screw onto DO probe.



Waterproof pH/DO 300 Meter

• Applications •

Aquacultural Applications: Use this meter to monitor oxygen levels in catfish and shrimp farming; game fishing ponds; ornamental fish tanks and ponds; and in other fish farming applications.

Environmental Applications: Use this meter to test water quality, monitor health of aquatic ecosystems, survey surface and ground water drinking supplies, and meet EPA regulations. Use in ecology studies, aquariums, and hydroponics.

Industrial Applications: Use this meter to check the quality of plant water intake and discharge, waste water and water treatment, recirculating systems, and industrial process systems. Ideal for pH checks in water conditioning plants, cooling towers, plating and finishing operations, food processing, water testing, printing and chemical industries, rinse water analysis, and chemical process verification.

Educational Applications: This economical meter is ideal for quick, accurate dissolved oxygen readings in labs and schools.

• Specifications •

Mode	pH	DO in mg/l (ppm)	DO in % saturation	Temperature
Range	-2.00 to 16.00 pH	0.00 to 20.00 mg/l (ppm)	0.0 to 200.0%	0.0 to 50.0°C / 32.0 to 122.0°F
Resolution	0.01 pH	0.01 mg/l (ppm)	0.1%	0.1°C / 0.1°F
Accuracy	±0.01 pH	±1.5% full scale	±1.5% full scale	±0.3°C / ±0.5°F
Calibration	up to 5 points: pH 1.68; 4.01; 7.00; 10.01; 12.45	one or two points (100% and 0% saturation); plus separate mg/l (ppm) offset		offset up to ±5°C or °F

Temperature compensation: automatic from 0 to 50°C

Operating temperature: 0 to 50°C

Salinity correction:

Range: 0.0 to 50.0 ppt

Resolution: 0.1 ppt

Method: Key in manually and automatic correction

Barometric pressure correction:

Range: 500 to 1499 mm Hg / 66.6 to 199.9 kPa

Resolution: 1 mm Hg / 0.1 kPa

Method: Key in manually and automatic correction

DO probe type: galvanic

Backlit display: select from eight levels of brightness

Power: 4 x 1.5 V AAA batteries >100 hours continuous use (included). Use of backlit display decreases battery life.

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)

DO Probe: 6.8"L x 1.3" dia (173 mm L x 32 mm dia) with 10-ft cable

pH Electrode: 6.0"L x 1.0" dia (152 mm L x 25 mm dia) with 10-ft cable

Weight: Meter: 1.0 lb (0.5 kg); Boxed: 2.0 lbs (0.9 kg)

• Ordering Information •

Waterproof pH/DO 300 Meters

All meters include operating instructions and batteries. Shpg wt 1.4 lbs (0.6 kg)

Meter only

WD-35632-02 pH/DO 300 meter

Meter with DO probe with 10-ft cable (WD-35640-50), pH electrode with 10-ft cable (WD-35805-23), and electrolyte solution

WD-35632-00 pH/DO 300 meter

pH/DO kit. Kit contains 20 pH "Singles" pouches, 500 ml of electrolyte solution, 5 replacement membranes, membrane replacement tool, rinse bottle and foam-lined hard carrying case. Shpg wt 2.0 lb (0.9 kg)

WD-35632-69 pH/DO kit meter not included

WD-35632-60 pH/DO 300 meter kit

includes pH/DO 300 meter plus DO probe with 10-ft cable and pH electrode with 10-ft cable,

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

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 7.01 calibration buffer

WD-00654-08 pH 10.01 calibration buffer

WD-00654-12 pH 12.45 calibration buffer

Accessories

WD-35640-50 DO probe with 10-ft cable

WD-35640-52 DO probe with 25-ft cable

WD-35805-23 Submersible pH electrode, with 10-ft cable, single junction, ABS plastic housing

WD-35640-71 Electrolyte solution, premixed 500 ml

WD-35640-70 Electrolyte powder, 58.5 g.

Mix your own electrolyte solution—makes 400 ml. Has longer shelf life in unmixed form

WD-35640-72 Replacement membrane assembly.

Includes preassembled membrane, membrane lock, O-ring and cap. Simply screw replacement membrane assembly onto the probe you already have

WD-35640-74 Replacement membranes, pack of 5, requires installation tool WD-35640-79

WD-35640-75 Replacement membranes, pack of 25, requires installation tool WD-35640-79

WD-35640-76 Teflon membranes, excellent chemical resistance; slower response time than standard HDPE membranes. Pack of 25, requires installation tool WD-35640-79

WD-35640-79 Membrane installation tool

WD-00653-00 Zero oxygen calibration solution

• ORDER FROM •