

OAKTON®

Waterproof dissolved oxygen/°C/°F

DO 300 & DO 310 Meters

Advanced, microprocessor-based dissolved oxygen meters with
superior waterproof housing...and they FLOAT!

DO 310 features:

Keypad adjustable backlit display

ideal for viewing readings in dark areas

DO 300 and 310 feature:

Waterproof and dustproof with IP67 rating

No meter warm-up required

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

Easy-to-service, low maintenance probe

replaceable membrane cap assembly makes probe maintenance hassle-free—simply fill cap with electrolyte solution and screw on

Key in salinity and pressure values manually

meter automatically calculates the offset value 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

Expanded memory stores up to 50 readings with temperature

Real-time clock

time/date stamps data stored in memory and calibration data (GLP friendly)

Display electrode diagnostics

view slope, zero offset and millivolt values

Large dual display

shows mg/L (ppm) or % saturation plus temperature

°C/°F Selectable

Meter kits available

ISO 9001
vendor
CERTIFIED

CE

3 year
warranty
meter only



Above: The DO 300 meter with galvanic probe (included).

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

Middle right: The DO 310 features an adjustable backlit display for taking readings in dark areas.

Lower right: DO meter kit contains everything you need for measurement and membrane replacement (order meter separately).

Perfect for conditions that ruin ordinary dissolved oxygen meters! The completely waterproof OAKTON DO 300 and DO 310 meters read dissolved oxygen in mg/L, ppm or % saturation. These meters do the work for you—they automatically calculate barometric pressure and salinity offset values, and they insure high accuracy with independent 100%, zero, and offset adjustment capabilities.

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

We offer DO meter kits that contain everything you need for measurement and membrane replacement packaged in a hard carrying case—it's also an ideal protective storage system (meter not included). See the back of this sheet for ordering information and complete specifications.

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 accidental drops into water.



DO meter kit protects, stores and organizes all the components you need for measurement and membrane replacement (meter not included).



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



Waterproof DO 300 & 310 Meters

• 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.

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.

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

• Specifications •

Mode	mg/l (ppm)	% saturation	Temperature
Range	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 mg/l (ppm)	0.1%	0.1°C / 0.1°F
Accuracy	±1.5% full scale	±1.5% full scale	±0.3°C / ±0.3°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

Probe: galvanic probe

Memory: Up to 50 sets

Real-time clock: stamps calibration data and stored data with time and date (month and day)

Backlit display (DO 310 meter only): select from eight levels of brightness

Power: 4 x 1.5 V AAA batteries >100 hours continuous use (included)
DO 310 meter only: use of backlit display decreases battery life

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)

Probe: 6.8"L x 1.3" dia (17.3 cm L x 3.2 cm dia)

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

• Ordering Information •

Waterproof DO Meters

All meters include probe, electrolyte solution, operating instructions and batteries. Shipping weight 1.4 lbs (0.6 kg)

WD-35641-00 DO 300 meter.

Includes DO probe with 10-ft cable

WD-35641-10 DO 300 meter.

Includes DO probe with 25-ft cable

WD-35641-20 DO 310 meter with backlit display.

Includes DO probe with 10-ft cable

WD-35641-30 DO 310 meter with backlit display.

Includes DO probe with 25-ft cable

Accessories

DO meter kit (meter not included)

Includes 500 ml of electrolyte solution, 5 replacement membranes, membrane replacement tool, rinse bottle and foam-lined hard carrying case with space for your meter and probe. Shpg wt 2.0 lb (0.9 kg)

WD-35640-60 DO meter kit (meter not included)

WD-09376-00 Replacement batteries, 1.5 V AAA.

Pack of 12

WD-00653-00 Zero oxygen calibration solution

Probes and Probe Maintenance

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

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

WD-35640-71 Replacement electrolyte solution, premixed 500 ml

WD-35640-70 Replacement 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.

This item consists of a preassembled membrane, membrane lock, O-ring and cap. Simply screw replacement membrane assembly onto the probe you already have

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

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

WD-35640-76 Teflon® membranes, for harsh applications. pack of 25. Slower response time than HDPE membranes. Requires installation tool WD-35640-79

WD-35640-79 Membrane installation tool

• ORDER FROM •