

OAKTON®

Dissolved Oxygen/°C

DO 100 Meter

**Measure dissolved oxygen immediately—no meter warm-up required.
Just calibrate meter and begin measuring!**

No meter warm-up required

Galvanic probe design lets you take measurements immediately without typical 15 minute 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

gives meter high accuracy across entire measuring range

Offset adjustment capabilities

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

Stores and recalls 16 dissolved oxygen readings with corresponding temperature

Displays electrode diagnostics

gives slope, zero offset and millivolt values to help determine when you need to service or replace electrode

Dual display shows mg/l (ppm) or percent saturation plus temperature

Kits available

contains everything you need for measurement and membrane replacement packaged in a hard carrying case (meter not included)



ISO 9001
vendor
CERTIFIED

2 year
warranty
meter only



Above: The DO 100 shown with DO probe.

Top right: The DO 100 is available with 10- or 25-ft probe cable lengths to meet your field applications.

Middle right: Portable meter carrying case allows hands-free operation (order separately).

Lower right: DO 100 kit contains everything you need for measurement and membrane replacement (meter not included, order separately).

The OAKTON DO 100 meter reads dissolved oxygen, with no warm-up time required! Let the OAKTON DO 100 meter do the work for you—it automatically calculates the offset values and insures high accuracy with independent 100%, zero, and offset adjustment capabilities.

The DO 100 meter includes an easy-to-service dissolved oxygen/temperature probe, electrolyte solution, and batteries. It features a Hold function, Ready indicator, and automatic shutoff after 30 minutes of non-use. The splash-resistant membrane keypad helps protect meter components from occasional spills.

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 connections for probe and optional AC adapter are located on the meter's top.



Sturdy built-in meter stand for handy tabletop use.



DO 100 meter kit 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.



Optional belt loop carrying case protects your meter and allows hands-free operation while you take measurements.



Bulletin DO B1R2

DO 100 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.

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
Resolution	0.01 mg/l (ppm)	0.1%	0.1 °C
Accuracy	±1.5% full scale	±1.5% full scale	±0.1°C

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: 555 to 808 mm Hg

Resolution: 1 mm Hg

Method: Key in manually and automatic correction

Probe: galvanic probe

Memory: stores and recalls 16 sets

Power: 4 x 1.5 V AAA batteries >50 hours continuous use (included); 9V, 500 mA AC adapter (optional)

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 (0.45 kg)

Boxed: 1.4 lbs (0.64 kg)

• Ordering Information •

DO 100 meters

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

WD-35640-00 DO 100 meter

Includes DO probe with 10-ft cable

WD-35640-10 DO 100 meter

Includes DO probe with 25-ft cable

DO 100 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 100 meter kit (meter not included)

Accessories

WD-35615-75 Soft belt-loop carrying case

with clear protective cover allows you to take measurements while meter is in the case. Case's top and side openings let probe connectors remain accessible. Shpg wt 1.0 lb (0.5 kg)

WD-35615-07 AC adapter, 9 VDC to 110 VAC

WD-35615-08 AC adapter, 9 VDC to 220 VAC

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 galvanic DO probe with 10-ft cable

WD-35640-52 Replacement galvanic 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

Request bulletin DOB2 for the DO 310, our portable waterproof dissolved oxygen meter with backlit display.

• ORDER FROM •