

# Benchtop Dissolved Oxygen Meters

Designed for optimal performance and versatility

- Economy DO 700 for basic laboratory dissolved oxygen measurement applications
- Advanced DO 2700 for research grade use with BOD capability
- Measures dissolved oxygen in mg/L, ppm, or % saturation with simultaneous temperature display in °F or °C
- Large display features annunciators to aid in meter use and troubleshooting
- Compact housing takes up a minimum of bench space
- Water-resistant membrane keypad and convenient pullout reference guide provide useful features for the lab
- DO 2700 meets GLP requirements—all calibration and measurement data is stored with a time/date stamp
- Nonvolatile memory stores up to 100 (DO 700) or 500 (DO 2700) data sets to simplify documenting data



35426-00  
DO 2700 meter

## OAKION® Zero Oxygen Solution

For accurate results, calibrate your dissolved oxygen meters with this standard solution.

Catalog No.	Description
TS-00663-00	Zero oxygen solution, 500 mL



SPECIFICATIONS			
Model No.		DO 700	DO 2700
Range	Dissolved oxygen	0 to 30 mg/L	0 to 19.99 mg/L; 50.0 mg/L
	Percent saturation	0 to 199.9%; 300%	0 to 600.0%
	Temperature	32.0 to 122.0°F (0.0 to 50.0°C)	32.0 to 122.0°F (0.0 to 50.0°C)
Resolution	Dissolved oxygen	0.01 mg/L	0.01, 0.1 mg/L
	Percent saturation	0.1%	0.1%
	Temperature	0.1°F (0.1°C)	0.1°F (0.1°C)
Accuracy	Dissolved oxygen	±0.5% full scale	±0.5% full scale
	Percent saturation	±0.5% full scale	±0.5% full scale
	Temperature	±0.9°F (±0.5°C)	±0.5°F (±0.3°C)
Salinity compensation		Manual input, automatic correction from 0 to 50 ppt	Manual input, automatic correction from 0 to 50.0 ppt
Barometric pressure compensation		Manual input, automatic correction from 450 to 825 mm Hg	Automatic correction from 450 to 825 mm Hg
Temperature compensation		Manual or automatic from 32.0 to 122.0°F (0.0 to 50.0°C)	Manual or automatic from 32.0 to 122.0°F (0.0 to 50.0°C)
Display		Dual-display LCD, 3¼" x 2¼" (83 x 62 mm)	Graphic LCD with backlight, 3¼" x 2¼" (83 x 62 mm)
Data logging		100 data sets	500 data sets
Output		—	RS-232
Dimensions (L x W x H)		6½" x 6⅞" x 2¾" (155 x 175 x 69 mm)	6½" x 6⅞" x 2¾" (155 x 175 x 69 mm)
Power		110/240 VAC	110/240 VAC

DO 700 includes: Dissolved oxygen probe 35642-50, built-in electrode stand, and 110/240 VAC power adapter.

DO 2700 includes: Self-stirring dissolved oxygen/BOD probe, RS-232 cable, and 110/240 VAC power adapter.

Catalog No.	Model No.	Description	Precalibrated
TS-35425-00	DO 700	Economy meter with galvanic dissolved oxygen probe	TS-35425-01
TS-35426-00	DO 2700	Advanced meter with self-stirring dissolved oxygen/BOD probe	TS-35426-01
<b>Accessories</b>			
TS-35652-50	—	Replacement DO probe with 3-ft (1-m) cable for DO 700 meters	
TS-35652-52	—	DO probe with 10-ft (3-m) cable for DO 700 meters	
TS-35652-54	—	DO probe with 30-ft (9-m) cable for DO 700 meters	
TS-35652-55	—	DO probe maintenance kit includes one membrane cap and 10 mL of electrolyte solution	
TS-35430-01	—	RS-232 cable for 2700-series meter	
TS-22060-58	—	RS-232 to USB adapter (requires 35420-01 cable)	
TS-17116-04	—	<b>NIST-traceable calibration with data for DO meters</b>	