

CD 650 Conductivity/ Dissolved Oxygen Meter

Great for salt water testing!

Durable waterproof and dustproof design with IP67 rating – Even with no probes attached

Push-button calibration for all parameters – 5 points for conductivity; 3 points for DO

Large backlit graphic display – Multiline display with electrode status indicator, calibration data, and more

User-settable “calibration due” alarm – Out-of-date or unperformed calibrations are now things of the past!

Built-in real-time clock – Time-and-date stamping meets Good Laboratory Practice (GLP) standards

Store up to 500 data sets – Infrared IrDA wireless technology makes PC downloading convenient and easy

Set point alarms – Audible warning when readings are outside set points limit

Research-grade accuracy – Resolution to 0.001 pH and accuracy to ± 0.002 pH

Electrode status indicator – Calibration data provides electrode diagnostic tool

Password protection – Security for calibration and setup menus

Rugged rubber boot – Protects meter from impact (optional; included with kit)



Optional rubber boot (included with kit) provides added protection.



ISO9001:2000
CERTIFIED SUPPLIER



3 year
warranty
meter only

Specifications

Model	CD 650 meter
Range	Conductivity 0 to 500.0 mS
	TDS 0 to 500 ppt
	Salinity 0 to 80 ppt
	Resistivity 0 to 20.00 M Ω
	DO 0.00 to 90.00 mg/L (ppm), 0.0 to 600.0%
	Temperature -10.0 to 110.0°C (14.0 to 230.0°F), selectable
Resolution	Conductivity 0.05% full-scale
	TDS 0.05% full-scale
	DO 0.01 mg/L (ppm), 0.1%
	Temperature 0.1°C (0.1°F)
Accuracy	Conductivity $\pm 1\%$ full-scale
	TDS $\pm 1\%$ full-scale
	DO ± 0.2 mg/L; $\pm 2\%$
	Temperature $\pm 0.5^\circ\text{C}$ ($\pm 0.9^\circ\text{F}$)
Calibration	Conductivity Manual up to 5 points (1 per range); automatic up to 4 points (84.0 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$, 12.88 mS/cm, 111.8 mS/cm)
	DO Two points; 100% and 0%
	Temperature Offset 0.1°C (0.1°F) increments

TDS factor: 0.40 to 1.00

Cell constant: 0.100 to 10.000

DO salinity correction

Range: 0.0 to 50.0 ppt

Resolution: 0.1 ppt

DO pressure correction

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

Resolution: 1 mm Hg, 0.1 kPa

Memory: up to 500 sets with GLP date and time

Output: infrared, IrDA

Real-time clock: time-and-date stamp on calibration and stored data

Temperature normalization: 15 or 30°C

Temperature coefficient: linear or pure

Temperature compensation: automatic or manual (selectable), from 0 to 100°C

Ambient operating temperature: 0 to 50°C (32 to 122°F)

Power: four 1.5 V AA batteries (included) or optional universal AC adapter, up to 200 hours continuous use

Dimensions

Meter: 7½" L x 3¼" W x 2¼" H (19 x 9.5 x 5.7 cm)

Boxed: 9½" L x 9½" W x 2¼" H (23 x 23 x 7 cm)

Weight

Meter: 1 lb (0.5 kg); **Boxed:** 2 lb (0.9 kg)



**Marine
Environments**



Water Treatment

See page 45 for
more conductivity cells;
page 53 for DO probes.

Ordering Information

Catalog number	Description	Included
WD-35433-02	CD 650 meter only	Meter and batteries
WD-35433-00	CD 650 meter	Meter, conductivity cell 35408-57, DO probe 35640-50, and batteries
WD-35433-70	CD 650 meter kit	Meter, conductivity cell 35408-57, DO probe 35640-50, calibration standards (60 mL each of pH 4.01, pH 7.00, 1413 $\mu\text{S}/\text{cm}$, and 12.88 mS solution), rubber boot, multiprobe holder, batteries, and hard carrying case

WD-35408-57 Replacement conductivity cell, 2-electrode, K = 1

WD-35640-50 Replacement DO probe with 10-ft (3-m) cable

WD-35434-85 Multiprobe holder. Holds one each pH, conductivity, DO, and temperature probes

WD-35418-83 Optional adapter, 110/220 VAC

WD-35418-86 Protective rubber boot for all 600- and 650-series meters