

# 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**User-settable “calibration due” alarm** – Out-of-date or unperformed calibrations are now things of the past!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
<b>Range</b>	Conductivity	0 to 500.0 mS
	TDS	0 to 500 ppt
	Salinity	0 to 80 ppt
	Resistivity	0 to 20.00 MΩ
	DO	0.00 to 90.00 mg/L (ppm), 0.0 to 600.0%
<b>Resolution</b>	Temperature	-10.0 to 110.0°C (14.0 to 230.0°F), selectable
	Conductivity	0.05% full-scale
	TDS	0.05% full-scale
	DO	0.01 mg/L (ppm), 0.1%
<b>Accuracy</b>	Temperature	0.1°C (0.1°F)
	Conductivity	±1% full-scale
	TDS	±1% full-scale
	DO	±0.2 mg/L; ±2%
<b>Calibration</b>	Temperature	±0.5°C (±0.9°F)
	Conductivity	Manual up to 5 points (1 per range); automatic up to 4 points (84.0 μS/cm, 1413 μS/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 3¾" W x 2¼" H (19 x 9.5 x 5.7 cm)

**Boxed:** 9½" L x 9½" W x 2¾" 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 μS/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

