

CD 650 Conductivity/ Dissolved Oxygen Meter

Great for salt water testing!

Durable waterproof and dustproof design with IP67 rating

- ▼ Even with no probes attached and the battery compartment open

Push-button calibration for all parameters

- ▼ 6 points for conductivity;
3 points for DO

Large backlit graphic display

- ▼ Multi-line 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- ▼ Out-of-date or unperformed calibrations are now things of the past!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



Right: CD 650 meter

Left: Complete kit available



Specifications

Mode		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%
Accuracy	Temperature	0.1°C (0.1°F)
	Conductivity	$\pm 1%$ full-scale
	TDS	$\pm 1%$ full-scale
	DO	± 0.2 mg/L; $\pm 2%$
Calibration	Temperature	$\pm 0.5^\circ\text{C}$ ($\pm 0.9^\circ\text{F}$)
	Conductivity	Manual up to 5 points (1 per range); automatic up to 4 points (84.0 $\mu\text{S/cm}$, 1413 $\mu\text{S/cm}$, 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: 7.25"L x 3.25"W x 2.25"H

Boxed: 9.2"L x 9.2"W x 2.75"H (23 x 23 x 7 cm)

Weight

Meter: 1.0 lb (0.45 kg); Boxed: 2.0 lb (0.9 kg)

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 $\mu\text{S/cm}$, and 12.88 mS solution), rubber boot, multiprobe holder, batteries, and hard carrying case

Accessories

WD-35408-57 Conductivity cell, 2-electrode, K = 1

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

WD-35434-85 Multiprobe holder. Holds one each

pH, conductivity, DO, and temperature probes

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

See page 46 for more conductivity cells; page 52 for DO probes.