

# CON 110 Standard Meter

**Push-button, customizable operating parameters—  
tailor functions to your application!**

- Memory function** – Stores and recalls 100 readings with corresponding temperature
- RS-232/printer output** – Convenient transfer of data to a computer or printer
- FREE Oakton® PC datalog assist software on CD-ROM** – Organizes data into format ready to import into popular spreadsheet programs
- Reads conductivity from 0 to 199.9 mS across five ranges**

**Manual or auto-ranging for conductivity measurements; auto-ranging for TDS readings**

**Selectable cell constant (K)** –  
K = 1.0 for general applications;  
K = 0.1 for pure water;  
K = 10 for concentrated solutions

**Adjustable temperature coefficient** – Adjust from 0 to 10% per °C for accurate compensation of almost any solution

**Five-point calibration—automatic or manual** – Meter recalls previous calibration data

**Single- or multipoint calibration** – For quick multirange calibration for highest accuracy

**Easily switches from conductivity to TDS readings** – Features an adjustable conductivity-to-TDS factor from 0.4 to 1.0

**Hold function, error messages, auto-off function**

**Selectable automatic or manual temperature compensation**

**A wide range of conductivity cells and calibration solutions are available. See page 45 to order.**



## Conductivity Cells

Choose a cell with K = 0.1 for low range; K = 1.0 for midrange; K = 10 for high range. Feature a built-in temperature sensor; measure 100 mm L x 12 mm dia.

Catalog number	Description	Constant
WD-35608-55	Conductivity cell, epoxy body/platinum sensor. 3-ft (1-m) cable	0.1
WD-35608-50	Replacement conductivity cell, epoxy body/stainless steel sensor. 3-ft (1-m) cable	1.0
WD-35608-51	Conductivity cell, epoxy body/platinum sensor. 3-ft (1-m) cable	10

## Specifications

Mode	Conductivity	TDS	Temperature
<b>Ranges/Resolution</b>	0.00 to 199.9 µS/0.01 µS; 0.0 to 199.9 µS/0.1 µS; 0 to 1999 µS/1 µS; 0.00 to 19.99 mS/0.01 mS; 0.0 to 199.9 mS/0.1 mS	0.00 to 9.99 ppm/0.01 ppm, 10.0 to 99.9 ppm/0.1 ppm, 100 to 999 ppm/1ppm, 1.00 to 9.99 ppt/0.01 ppt	-10 to 110°C (0.1°C), 14 to 230°F (0.1°F)
<b>Accuracy</b>	±1% full-scale		±0.5°C (±0.9°F)
<b>Calibration</b>	Up to five points (one point per range)		Offset 0.1°C increments

ISO9001:2000  
CERTIFIED SUPPLIER

3 year  
warranty  
meter only

- Cell constant (K):** 0.1, 1.0, or 10 (selectable)
- Conductivity-to-TDS factor:** adjustable from 0.4 to 1.0
- Temperature compensation:** automatic or manual (selectable) from 0 to 100°C (32 to 212°F)
- Temperature coefficient:** adjustable from 0.00 to 10.00% per °C
- Memory:** up to 100 data sets
- Output:** RS-232

- Operating temperature:** 0 to 50°C (32 to 122°F)
- Power:** four 1.5 V AAA batteries (included), >200 hours continuous use; AC adapter (optional)
- Dimensions**  
**Meter:** 7½" L x 3½" W x 1¾" H (19 x 9 x 4.5 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)



Research



Ecological Studies

## Ordering Information

Catalog number	Description	Included
WD-35607-45	CON 110 meter	Meter, conductivity cell 35608-50 (K = 1.0), software, one probe holder, and batteries
WD-35607-85	CON 110 meter kit	Meter, conductivity cell 35608-50 (K = 1.0), software, one probe holder, calibration pouches (four each of 477, 1413, 2704, and 15,500 mS), four rinse pouches, batteries, and hard carrying case

## Accessories

- WD-35615-75 Soft carrying case** with belt loop. Protects meter while you take measurements—nylon with hook-and-loop straps
- WD-35615-07 AC adapter**, 110 VAC
- WD-35615-08 AC adapter**, 220 VAC

## RS-232 Computer/Printer Accessories

- WD-35622-00 Portable printer**, 110 VAC, rechargeable
- WD-35622-05 Portable printer**, 220 VAC, rechargeable
- WD-35615-09 Computer cable**, 9-pin male to 9-pin female connects meter to your PC
- WD-35622-59 Printer cable**, 25-pin male to 9-pin male connects meter to your printer