

# COND3110 Handheld Conductivity Meters

Handheld conductivity and TDS meter for field measurements.



- Robust shock and water resistant design
- Easy to use interface
- Wide range of applications
- Accurate and reliable TetraCon® probe

## Description

Useable anywhere, the WTW Cond 3110 and Cond 3210 handheld conductivity meters are robust, easy to operate and provide assured accurate readings. From the monitoring of on-line process systems to field studies, WTW's meters will meet all your water, wastewater and environmental measurement needs. Both instruments meet IP66/67 standards – no worrying about using it in the rain and mud, or accidentally dropping it in the water. These conductivity meters have incorporated a sealed silicone keypad which offers real button response, yet allows for easy cleaning.

### Cond 3110

This easy to use meter will meet all your day-to-day demands. With only 6 keys, the instrument provides easy error-free measurement with temperature measurement, automatic temperature compensation and 4-electrode measuring technology. Typical applications for the Cond 3110 include simple conductivity measurements or use in high schools and universities.

### Cond 3210

Loaded with additional features, the meters include parallel temperature display, integrated datalogger, good laboratory practice (GLP) supporting functions, automatic and manual temperature compensation with linear temperature function and a non-linear function for ultrapure water and natural waters. The Cond 3210 has a continuous measurement control (CMC) function that alerts you when your meter is reading outside of the calibrated range. The meter's large memory allows you to manually store 200 datasets.

## Specifications

### Range:

Conductivity (3110): 0.00 to 1000 mS/cm  
 Conductivity (3210): 0.00 to 1000 mS/cm, 0.000 to 1.999 uS/cm,  
 K=0.01 cm<sup>-1</sup>, 0.00 to 19.99 uS/cm K=0.01 cm<sup>-1</sup>  
 Temp: 23 to 221 °F (-5.0 to +105.0 °C)  
 Salinity: 0.0 to 70.0  
 TDS (3210 only): 0 to 1999 mg/l, 0 to 199.9 g/l  
 Specific Resistance (3210 only): 0.00 to 20 Mohm cm

### Accuracy:

Conductivity: ± 0.5% of value  
 Temp: ±0.2 °F (±0.1 °C)  
 Salinity: ± 0.5% of value  
 TDS (3210): ± 0.5% of value  
 Specific Resistance (3210): ± 0.5% of value  
 Temperature: ±0.2 °F (±0.1 °C)

### Cell constant:

3110: Fixed 0.475 cm<sup>-1</sup>, 0.1 cm<sup>-1</sup>, 0.450 to 0.500 cm<sup>-1</sup>, 0.585 to 715 cm<sup>-1</sup>, 0.800 to 1.200 cm<sup>-1</sup>, Standard: 0.01 mol/L KCl  
 3210: Fixed 0.475 cm<sup>-1</sup>, 0.1 cm<sup>-1</sup>, 0.01 cm<sup>-1</sup>, 0.450 to 0.500 cm<sup>-1</sup>, 0.585 to 715 cm<sup>-1</sup>, 0.800 to 1.200 cm<sup>-1</sup>, Standard: 0.01 mol/L KCl, adjustable 0.090 to 0.110 cm<sup>-1</sup>

Reference temp: 68 to 77 °F (20 or 25 °C), selectable

Temperature comp: Automatic, can be switched off

Sensor Plug: 8 Pin

Calibration: 1 point

Memory (3210 only): 200 manual datasets

Power: Four 1.5V AA batteries or four 1.2 V NiMH

Battery Life (3110 only): Up to 1000 hours

Battery Life (3210 only): Up to 800 hours w/o backlight, 150 hours w/ backlight

Dimensions (LxWxH): 6.78" x 3.15" x 1.46" (172mm x 80mm x 37mm)

Weight: 0.66 lb (0.3kg)

For TetraCon® 325-3 probe specifications go to [WWW.GLOBALW.COM](http://WWW.GLOBALW.COM).

## Options and Accessories

**Cond 3110 Set** – Handheld Conductivity Meter Kit  
 Includes meter, probe, case & accessories.

**Cond 3300i Set** – Handheld Conductivity Meter Kit  
 Includes meter, probe, case & accessories.

**TetraCon® 325-3** – Handheld Conductivity Meter Probe  
 Includes 9.8 ft (3 m) cable.

In the U.S. call toll free  
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