

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⁻¹, 0.00 to 19.99 uS/cm K=0.01 cm⁻¹
 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⁻¹, 0.1 cm⁻¹, 0.450 to 0.500 cm⁻¹, 0.585 to 715 cm⁻¹, 0.800 to 1.200 cm⁻¹, Standard: 0.01 mol/L KCl
 3210: Fixed 0.475 cm⁻¹, 0.1 cm⁻¹, 0.01 cm⁻¹, 0.450 to 0.500 cm⁻¹, 0.585 to 715 cm⁻¹, 0.800 to 1.200 cm⁻¹, Standard: 0.01 mol/L KCl, adjustable 0.090 to 0.110 cm⁻¹

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.

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.

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