

COND1970 Portable Conductivity Meters

Portable conductivity and TDS meter for field measurements.



Description

The WTW Cond 1970i conductivity meter combines everything you want in a portable conductivity meter for water, wastewater and environmental monitoring. Like all the WTW ProfiLine series meters the Cond 1970i is nearly indestructible with both hose down proof (IP 66) and submersible (IP 67) ratings. But the Cond 1970i is also very accurate, capable and easy to use. Along with an 800 data point datalogger, a real time clock and recorder output, the meter conforms to all GLP requirements. With its large, easy to read display, carrying/support handle and carrying strap the Cond 1970i goes with you wherever you need to do conductivity measurements - even on your bench top.

TA 197 LF deep water conductivity cell

The Cond 1970i portable conductivity is great for measurements in bore holes (down to 2" diameter), wells and deep bodies of water with the ability to take measurements down to 330 ft (100 m) in combination with the TA 197 LF depth armature. The TA 197 LF submersible conductivity cell includes a built-in temperature sensor, up to 330 feet (100 m) cable with waterproof plug (IP 67), pressure-resistant steel armoring with screw-off protective hood, and is pressure-resistant to 145 psi (10 bar).

- Nearly indestructible, water proof housing
- Large, easy to read display
- Long lasting rechargeable NiMH batteries
- Conforms to all GLP requirements
- Measurements up to 300 feet deep with submersible cell

Specifications

ProfiLine Cond 1970i

Range/Resolution:

Conductivity: 0.0 uS/cm to 500 mS/cm in 5 measuring ranges or autorange, 0.00 uS/cm to 19.99 uS/cm (for $K=0.1 \text{ cm}^{-1}$), 0.000 uS/cm to 1.999 uS/cm (for $K=0.01 \text{ cm}^{-1}$)

Temp: 23 to 221 °F (-5.0 to +105.0 °C)

Salinity: 0.0 to 70.0

TDS (3300i only): 0 to 1999 mg/l

Accuracy:

Conductivity: $\pm 0.5\%$ of value

Temperature: $\pm 0.1 \text{ K}$

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

Cell constant: Calibratable 0.450 to 0.500 and 0.800 to 1.200 cm^{-1} , fixed: 0.01 cm^{-1} freely adjustable 0.25 to 2.5 cm^{-1} and 0.09 to 0.11 cm^{-1}

Temperature comp: Automatic, can be switched off

Power: Rechargeable NiMH batteries (approx. 600 hours per full charge)

AC power: Wide-range power supply 100-240 VAC 50/60 Hz (included)

Dimensions (LxWxH): 3.54x7.87x7.48 in (90x200x190 mm)

Weight: 3.3 lb (1.5 kg) (without plug-in power supply)

Ingress protection: IP 67

Electrical safety: Protective class III

Ambient conditions:

Operation: 14° to 131°F (-10° to 55°C)

Storage: 13° to 149°F (-25° to 65°C)

Test certificates: cETLus, CE

Options and Accessories

Cond 1970i Portable Conductivity Meter
Conductivity meter with universal AC power supply.

TetraCon® 325 Handheld Conductivity Meter Probe
Includes 5 ft (1.5m) cable.

TA 197 LF-25 Portable Conductivity Meter Probe
Deep water conductivity cell w/82 ft (25 m) cable.

Regional Distributor



Global Water
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Water Samplers
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