

EUTECH - Conductivity / TDS Handheld Meters

Brand: Eutech

Model: COND 6+

Product Features:

- Multi-Point Push-button Calibration (up to 5 points) with $\pm 1\%$ full-scale accuracy
- The option of quick, easy automatic calibration or customized, near-to-sample manual calibration.
- Auto-Ranging for Conductivity/TDS measurements for fast response and best resolution over a wide measurement range
- Automatic Temperature Compensation (ATC) for the optimum accuracy under fluctuating temperatures
- Hold Function momentarily freezes reading for easy viewing
- Auto-Power Off saves battery power after non-use
- Self-Diagnostic with message codes for easy troubleshooting
- Large Custom LCD provides optimum viewing even at a distance
- Electrode with Built-in ATC designed for minimal air bubble entrapment during the measurement
- Protective Rubber Boot shields meter from drops and features a sturdy built-in stand for easy bench-top operation
- Meter Kit (Optional) - contains everything you need for calibration and measurement in a rugged carrying case



Applications:

- **Routine Testing:** For quick, accurate conductivity or TDS checks in laboratories, field and schools.
- **Environmental/Agricultural:** Useful in nutrient and fertilizer checks in hydroponics and agricultural industries.
- **Water Quality Testing:** For analyzing water hard water, untreated water, industrial and rinse water, drinking water, effluent water, pool water and incoming process water. Ideal for all types of quality assurance, printing industries and water quality testing.

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Product Specification	Description
Conductivity	
Range (Based on 1.0 Cell Constant)	0.00 - 19.99 $\mu\text{S}/\text{cm}$ 20.00 - 199.9 $\mu\text{S}/\text{cm}$ 200.0 - 1999 $\mu\text{S}/\text{cm}$ 2.00 - 19.99 mS/cm 20.0 - 200.0 mS/cm
Resolution	0.05 % full scale
Accuracy	± 1 % of full scale ± 1 LSD
Temperature	
Range	0.0 to 100.0 $^{\circ}\text{C}$ / 32.0 to 212 $^{\circ}\text{F}$ (80.0 $^{\circ}\text{C}$ with supplied probe)
Resolution	0.1 $^{\circ}\text{C}$ / 0.1 $^{\circ}\text{F}$
Accuracy	± 0.5 $^{\circ}\text{C}$ / ± 0.9 $^{\circ}\text{F}$
Compensation	ATC / MTC (0 to 80 $^{\circ}\text{C}$)
Normalization	20.0 or 25.0 $^{\circ}\text{C}$
Operating Temperature	5 to 45 $^{\circ}\text{C}$
Meter Features	
Calibration Points	4 (1 per range) auto, 5 (1 per range) manual
Temperature Coefficient	0.0 - 10.0 %
Cell Constant	0.1, 1.0, 10.0
Auto-Off	20 min after last key pressed
Input	BNC, 2.5 mm phono socket
Power/Battery Life	4 x 1.5 V 'AAA' alkaline batteries (included); > 500 hours
Dimensions/Weight	
Meter (LxWxH)	15.7 x 8.5 x 4.2 cm; 255 g
Boxed (LxWxH)	36 x 28 x 8 cm; 1555 g

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Order Information:

Order No.	Item
ECCON603PLUSK	COND 6+ with CONSEN91B electrode, KCl calibration solutions (84 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$, 12.88 mS/cm), and DI rinse water (60 mL each), Grip-Clip, and batteries in hard carrying case
ECCON603PLUS	COND 6+ with CONSEN91B electrode, Grip-Clip, batteries
CONSEN91B	Replacement electrode with ATC, $k=1.0$
CONSEN72B	Epoxy electrode with ATC, $k=0.1$
GRIPCLIP	Grip-Clip electrode holder