

# Eutech CON 450



## Conductivity / Total Dissolved Solids / Salinity / Temperature

Backlit, rugged waterproof meter is ideal for any environment

- Durable waterproof and dustproof design with IP67 rating
- **Large, backlit custom display** – View measurement with temperature and cell efficiency
- **Grip-Clip™** – Quickly and easily secures the probe to your beaker or container
- Calibrate using automatically recognized standards or manually; to a single point across all ranges or to multiple points (one calibration point per each conductivity range)
- **Selectable cell constant** – 0.10, 1.00, or 10.0
- Adjustable temperature coefficient from 0.00 to 10.00 % per °C. Set to 0.0 % to meet USP methods for non-compensated measurements
- **Adjustable conductivity-to-TDS factor** – Adjustable 0.4 to 1.0
- **Selectable °C / °F** – Choose units to best fit your application
- Includes our easy to clean conductivity cell
- Ready indicator, manual or automatic measurement hold feature and optional automatic shutoff function
- **Store up to 500 data sets with data** – Use USB or RS232 output with optional data cable to send data to your software or our free communication software
- **Built-in real-time clock stamps stored data and calibration data with time and date** – Meets standards for GLP (Good Laboratory Practices)
- **Built-in stand with wall-mount** – Allows for easy benchtop measurement or storage



## Specification Table

<b>Conductivity</b>	Range	0 to 200 mS
	Resolution	0.01 µS to 0.1 mS
	Accuracy	±1 % full scale
	Calibration	Auto/manual; 1 point/range
<b>TDS</b>	Range	0 to 200 ppt (TDS factor 1.0)
	Resolution	0.01 ppm to 0.1 ppt
	Accuracy	±1 % full scale
	Calibration	Manual; 1 point/range
<b>Salinity</b>	Range	0 to 50 ppt
	Resolution	0.01
	Accuracy	±1 % full scale
	Calibration	Manual; 1 point
<b>Temperature</b>	Range	-10.0 to 110.0 °C (14.0 to 230.0 °F)
	Resolution	0.1 °C/°F
	Accuracy	±0.5 °C; ±0.9 °F
	Calibration	Offset in 0.1 increments, ±10 °C or ±18 °F
<b>Display</b>	Custom LCD with backlight	
<b>Memory</b>	Stores up to 500 data sets	
<b>Output</b>	USB or RS232	
<b>Real-Time Clock</b>	Time and date stamp on calibration and stored data	
<b>Temperature Compensation</b>	Automatic or manual from -10 to 110 °C	
<b>Power</b>	Two AA batteries (included), >300 hours (without backlight); AC adapter (optional)	
<b>Dimensions (L x W x H)</b>	Meter	7 7/8" x 3 1/8" x 2 1/4" (20 x 8.3 x 5.7 cm)
	Boxed	9 1/8" x 9 1/8" x 2 3/4" (23 x 23 x 7 cm)
<b>Weight</b>	Meter	1 lb (0.5 kg)
	Boxed	1.4 lb (0.7 kg)



## Ordering Information

Order Code	Part No.	Description
<b>Meter</b>		
ECCONWP45003	01X651632	<b>CON 450 Meter &amp; Electrode:</b> Meter, conductivity cell (K = 1.0), Grip-Clip™, two AA batteries
ECCONWP45003K	01X651633	<b>CON 450 Meter Kit:</b> Meter, conductivity cell (K = 1.0), Grip-Clip™, two AA batteries, hard carry case, USB cable, calibration solutions
<b>Electrodes</b>		
ECCONSEN72W	93X244303	Conductivity/ATC cell, glass body, K = 0.1
CONSEN91W	01X244702	Conductivity/ATC cell, K = 1.0
CONSEN92W	CONSEN92W	Conductivity cell, K = 10
<b>Accessories</b>		
GRIPCLIP	GRIPCLIP	Grip-Clip™
60X426401	60X426401	Optional 100 / 240 VAC SMPS power adapter, 9V, 6W
MINIPHONEUSB	MINIPHONEUSB	USB cable for 450 series, mini phone plug to USB
30X427301	30X427301	RS232 cable for 450 series, mini phone plug to RS232 9-pin (F)
ECCON84BT	01X211241	84 µS conductivity standard, 480 mL
ECCON1413BT	01X211207	1413 µS conductivity standard, 480 mL
ECCON1288BT	01X211210	12.88 mS conductivity standard, 480 mL
ECCON118BT	01X211244	111.8 mS conductivity standard, 480 mL