

Eutech CON 150



Conductivity / Total Dissolved Solids / Temperature

Best value for an IP67-rated waterproof conductivity meter

- **Large, three line LCD** – View conductivity or TDS measurement with temperature as well as cell efficiency
- **Built-in memory function** – Stores up to 150 measurements along with temperature
- **Adjustable temperature coefficient** – Set to 0.0 % to meet USP methods for non-compensated measurements
- **Power with AA batteries** or use optional AC adapter
- 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)
- **Calibration due alarm** – Set a visible reminder when it is time to recalibrate the meter
- Accepts probes with a 0.1, 1.0, or 10 cell constant
- **Adjustable conductivity-to-TDS conversion factor** – From 0.4 to 1.0
- **Selectable manual or automatic temperature compensation (ATC)** – For the highest accuracy in any situation
- **Selectable °F/°C** – Choose units to best fit your application
- Ready indicator, manual or automatic measurement hold feature and optional automatic shutoff function
- Includes our easy to clean conductivity cell
- **Built-in stand** – For easy benchtop or long-term use
- **Wall-mount option** – Ideal to save bench space
- **Innovative Grip-Clip™** – Quickly and easily secures the probe to your beaker or container



Specification Table

Conductivity	Range	0 to 200 mS
	Resolution	0.01 µS to 0.1 mS
	Accuracy	±1 % full scale
	Calibration	Auto/manual; 1 point/range
TDS	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
Temperature	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
Display	Three line custom LCD	
Temperature Compensation	Automatic or manual from -10 to 110 °C	
Temperature Coefficient	0.0 to 10.0 %/°C	
Memory	Stores up to 150 data sets	
Power	Two AA batteries (included), >500 hours continuous use; AC adapter (optional)	
Dimensions (L x W x H)	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)
Weight	Meter	1 lb (0.5 kg)
	Boxed	1.4 lb (0.7 kg)



Ordering Information

Order Code	Part No.	Description
Meter		
ECCONWP15003	01X651611	CON 150 Meter & Electrode: Meter, conductivity cell (K = 1.0), Grip-Clip™, two AA batteries
ECCONWP15003K	01X651612	CON 150 Meter Kit: Meter, conductivity cell (K = 1.0), Grip-Clip™, two AA batteries, hard carry case, calibration solution
Electrodes		
ECCONSEN72W	93X244303	Conductivity/ATC cell, glass, K = 0.1
CONSEN91W	01X244702	Conductivity/ATC cell, K = 1.0
CONSEN92W	CONSEN92W	Conductivity/ATC cell, epoxy, K = 10.0
Accessories		
GRIPCLIP	GRIPCLIP	Grip-Clip™
60X426401	60X426401	Optional 100 / 240 VAC SMPS power adapter, 9 V, 6 W
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
ECCON1118BT	01X211244	111.8 mS conductivity standard, 480 mL



Comparison Tables

Meter Features	pH 150	CON 150	pH 450	CON 450	DO 450	PD 450	PC 450	
								
	See Page 4	See Page 5	See Page 6	See Page 7	See Page 8	See Page 9	See Page 10	
	pH & mV	✓	–	✓	–	–	✓	✓
	ION	–	–	✓	–	–	–	–
	Temperature	✓	✓	✓	✓	✓	✓	✓
	Conductivity & TDS	–	✓	–	✓	–	–	✓
	Optical Dissolved Oxygen	–	–	–	–	✓	✓	–
	Salinity	–	–	–	✓	–	–	–
	Display	Three line custom LCD		Three line custom LCD with backlight				
Temperature Compensation	Automatic or manual from -10 to 110 °C							
Temperature Coefficient	–	0.00 to 10.00 %/°C	–	0.00 to 10.00 %/°C	–	–	0.00 to 10.00 %/°C	
Memory	150 data sets		500 data sets					
Output	–		USB or RS232					
Real-Time Clock	–		Time and date stamp on calibration and stored data					
Power	Two AA batteries (included)							
	>700 hours continuous use	>500 hours continuous use	>500 hours (without backlight)	>300 hours (without backlight)	>100 hours (without backlight)			
9 V DC adapter, 1.3 A (100/240 VAC, SMPS) (optional)								
Dimensions (L x W x H)	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)							
Weight	Meter: 1 lb (0.5 kg) ; Boxed: 1.4 lb (0.7 kg)							

Eutech 150 Series & Eutech 450 Series Configurations		Electrodes						Accessories					Solutions	
		Double-Junction pH Electrode (ECFC725201B)	pH Electrode, 26 mm Diameter (ECDA9350603B)	Combi pH/Con/ ATC Electrode (COMBI03BW)	Conductivity/ATC Electrode, K = 1 (CONSEN91W)	ATC Probe (PHWPTEM01W)	RDO Electrode With Cap (RDO3M)	Glip-Clip™	Hard Carry Case	USB Cable	RDO Stainless Steel Weight/Guard	RDO Calibration Sleeve	60 mL Bottles of pH 4, pH 7, Storage Solution, DI Water	60 mL Bottles of 1413 µS, 12.88 mS, 111.8 mS, DI Water
Order Code	Product Combination													
ECPHWP15000	pH 150 Meter Only						✓							
ECPHWP15002	pH 150 Meter & Electrode	✓				✓	✓							
ECPHWP15002K	pH 150 Meter Kit	✓				✓	✓	✓				✓		
ECCONWP15003	CON 150 Meter & Electrode				✓		✓							
ECCONWP15003K	CON 150 Meter Kit				✓		✓	✓					✓	
ECPHWP45000	pH 450 Meter Only						✓							
ECPHWP45002	pH 450 Meter & Electrode	✓				✓	✓							
ECPHWP45002K	pH 450 Meter Kit	✓				✓	✓	✓	✓			✓		
ECCONWP45003	CON 450 Meter & Electrode				✓		✓							
ECCONWP45003K	CON 450 Meter Kit				✓		✓	✓	✓				✓	
ECDOWP45000	DO 450 Meter Only													
ECDOWP45003	DO 450 Meter & Electrode						✓							
ECDOWP45003K	DO 450 Meter Kit						✓		✓	✓	✓			
ECPDWP45000	PD 450 Meter Only													
ECPDWP45004	PD 450 Meter & Electrodes		✓				✓							
ECPDWP45004K	PD 450 Meter Kit		✓				✓		✓	✓	✓	✓		
ECPCWP45000	PC 450 Meter Only						✓							
ECPCWP45004	PC 450 Meter & pH & Con/ATC Electrodes	✓			✓		✓							
ECPCWP45004K	PC 450 Meter Kit	✓			✓		✓	✓	✓			✓	✓	
ECPCWP45003	PC 450 Meter & Combi Electrode			✓										
ECPCWP45003K	PC 450 Meter Combi Kit			✓				✓	✓			✓	✓	

Features

DO 450 and PD 450
Utilize Optical
Oxygen Technology



PC 450 Can Accept
Combi Probe or
Separate pH/
Conductivity Probes



81 % Larger Three Line
Display 450 series
add backlight

Battery Life Indicator

All Measurements
Include Temperature
in °C or °F

View Electrode Slope or
Probe Efficiency
At-A-Glance

Calibration Due Reminder
Set automatic notifications
from 0 - 60 days

Increased Memory:
150 points for 150 series,
500 points with
date/time for 450 series

450 series offers upgradable
firmware and also can utilize
Free Communication Software



Rugged Housing Floats
& Meets Waterproof
IP67 Rating
(With rubber covers)



Utilizes New and
Improved Grip-Clip™
Electrode Holder
(See page 11
for more details)



Uses Only Two AA
Batteries or
Optional Universal
Power Supply



Integral Built-In-Stand
for table use or
wall mounting



450 Models Offer
Output for
USB or RS232

