

pH & Conductivity Handheld Meters with PC Interface Specifications		ECPHWP45002K	ECCONWP45003K
Measuring Parameter		pH / mV / ION / °C	Conductivity / TDS / Salinity / °C
pH	Range	-2.00 to 16.00 pH	—
	Resolution	0.01 pH	—
	Accuracy	±0.01 pH	—
	Calibration Points	Up to 6 points (USA ,NIST,DIN Custom)	—
mV	Range	±2000 mV	—
	Resolution	0.1 mV ±999.9 mV; 1 mV beyond	—
	Accuracy	±0.2 mV +2 LSD or +0.5 % of reading; whichever is greater	—
	Calibration	±200mV	—
ION	Range	0.0 to 2000 ppm	—
	Resolution	0.01/0.1/1 ppm	—
	Accuracy	±0.5 % full scale (monovalent); ± 1% full scale (divalent);	—
	Calibration Points	From 2-4 or 2-5 points; 0.10, 1.00, 10.0, 100.0 & 1000 / 0.20, 2.00, 20.0, 200.0 & 2000 / 0.50, 5.00, 50.0 & 500.0	—
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	Custom LCD with backlight		
Memory	Stores up to 500 data sets		
Output	USB , RS232 output with optional data cable		
Real-Time Clock	Time and date stamp on Calibration and stored data		
Power	Two AA batteries (included), AC adapter (optional)		
Dimensions (LxWxH) ; Weight	Meter	20 x 8.3 x 5.7 cm; 0.5 kg	
	Boxed	23 x 23 x 7 cm; 0.7 kg	

Product Code	Cat No.	Description
ECPHWP45002K	8052 015	pH 450 Meter Kit with double-junction pH electrode ECFC7252201B and ATC probe, Grip-Clip™, two AA batteries, hard carry case, USB cable, pH buffers, storage solution, rinse solution. ORP electrode & ION electrode to be ordered separately.
ECCONWP45003K	8050 015	CON 450 Meter Kit, conductivity cell ECCONSEN91W (K = 1.0), Grip-Clip™, two AA batteries, hard carry case, USB cable, calibration solutions
Optional Accessories		
ECFC7252201B	8052 006	General Purpose Plastic-body Double Junction Gel-Filled pH Combination Electrode, 12x90mm, BNC connector, 1m cable length
ECFC7960201B	8052 008	General Purpose Plastic-body Double Junction Gel-Filled ORP Electrode, 12x90mm, BNC connector, 1m cable length
ECCONSEN91W	8050 004	2 Stainless Steel Rings Ultem-body Electrode with ATC, cell constant K = 1.0, 16x144 mm, 6-pin connector, 1m cable length
ECCONSEN72W	8050 005	2 Platinum Rings Epoxy-body Electrode with ATC, cell constant K = 0.1, 16x110 mm, 6-pin connector, 1m cable length
ECCONSEN92W	8050 006	2-Cell Conductivity/ATC Electrode, 10.0 cell constant, Platinum Sensor, Epoxy-Body
60x426 401	8050 011	100 /240VAC SMPS Power Adapter with US/UK/EUR/Japan plug, 9V,6W, Centre +ve