















Multi-Parameter Handheld Meters Specifications		PCD 650	PC 650	PD 650	CD 650	PD 300	PC 300	PC 10
								
Measuring Parameter		pH/mV/Ion/ Conductivity/TDS/ Salinity/Resistivity/ Dissolved Oxygen/°C/°F	pH/mV/Ion/ Conductivity/TDS/ Salinity/Resistivity/ °C/°F	pH/mV/Ion/ Dissolved Oxygen/ °C/°F	Conductivity/TDS/ Salinity/Resistivity/ Dissolved Oxygen/ °C/°F	pH/Dissolved Oxygen/°C/°F	pH/°C/°F/ Conductivity/TDS	pH/°C/ Conductivity
Highlights		Waterproof, GLP, RS232, IrDA, multi-parameter display				Waterproof with back lighting	Waterproof, speciality probe compatible	Waterproof, combined multi- submersible probe
pH	Range	-2.000 to 20.000 pH			-	-2.00 to 16.00 pH		0.00 to 14.00 pH
	Resolution	0.1/0.01/0.001 pH			-	0.01 pH		-
	Accuracy	±0.002 pH			-	±0.01 pH		-
	Calibration Points	1 (Offset) to 6 points			-	5		3
	Auto-Buffer Recognition	Yes			-	Yes		-
	Slope & Offset Display	Yes			-	Yes		No
Ion	Range	0.001 to 19900			-	-		-
	Resolution	2 or 3 digits			-	-		-
	Accuracy	0.5 % Full scale (monovalent) ; 1 % Full scale (divalent)			-	-		-
	Calibration Points	Up to 8			-	-		-
mV	Range	±2000.0 mV			-	-		-
	Resolution	0.1 mV			-	-		-
	Accuracy	±0.2 mV			-	-		-
Temperature	Range	-10.0 to 110.0 °C/14.0 to 230.0 °F (Meter)				-10.0 to 110.0 °C/14.0 to 230.0 °F (Meter)		0.00 to 80.0 °C (With supplied probe)
	Resolution	0.1 °C/0.1 °F			0.1 °C/0.1 °F		0.1 °C	
	Accuracy	±0.5 °C/±0.9 °F			0.3 °C		±0.5 °C/±0.9 °F	
Conductivity	Range	.. to 2.000 µS/cm 2.000 to 300.0 µS/cm 300.0 µS to 4.000 mS 4.000 to 40.00 mS/cm 40.00 to 500.0 mS/cm	-	-	.. to 2.000 µS/cm 2.000 to 300.0 µS/cm 300.0 µS to 4.000 mS 4.000 to 40.00 mS/cm 40.00 to 500.0 mS/cm	-	.. to 19.99/199.9/ 1999 µS/cm; .. to 19.99/ 199.9 mS/cm	.. to 19.99/199.9/ 1999 µS/cm; .. to 19.99 mS/cm
	Resolution	0.01µS/cm / 0.1 µS/cm / 0.001mS/cm / 0.01mS/cm / 0.1 mS/cm	-	-	0.01µS/cm / 0.1µS/cm / 0.001mS/cm / 0.01mS/cm / 0.1 mS/cm	-	0.01/0.1/1 µS/cm; 0.01/0.1 mS/cm	0.01/0.1/1 µS/cm; 0.01 mS/cm
	Accuracy	±1 % Full scale + 1 LSD		-	±1 % Full scale + 1 LSD		±1 % Full scale + 1 LSD	
	Calibration Points	4 (1 Per range) auto, 5 (1 Per range) manual	-	-	4 (1 Per range) auto, 5 (1 Per range) manual	-	5 (1 Per range) manual	4 (1 Per range) manual
	Cell Constant (K)	0.010 to 10.000		-	0.010 to 10.000		1.0	
	Temperature Coefficient	Linear & pure		-	Linear & pure		0.0 to 10.0 % (Adjustable)	
	Normalisation Temperature	15 to 30 °C		-	15 to 30 °C		15.0 to 30.0 °C (Adjustable)	
	Auto-Ranging	Yes		-	Yes		Yes	
TDS	Range	.. to 2,000 ppm 2,000 ppm to 300.0 ppt 300.0 ppt to 4,000 ppt 4,000 ppt to 40.00 ppt 40.00 ppt to 500.0 ppt	-	-	.. to 2,000 ppm 2,000 ppm to 300.0 ppt 300.0 ppt to 4,000 ppt 4,000 ppt to 500.0 ppt	-	.. to 999/999/999 ppm; .. to 9.99/99.9 ppt; Max of 199.9 ppt based on factor setting	-
	Resolution	0.01 ppm/0.1 ppm/0.001 ppt/ 0.01 ppt/0.1 ppt	-	-	0.01 ppm/0.1 ppm/ 0.001 ppt/0.01 ppt/0.1 ppt	-	0.01/0.1/1 ppm; 0.01/0.1 ppt	-
	Accuracy	±1 % Full scale + 1 LSD		-	±1 % Full scale + 1 LSD		±1 % Full scale + 1 LSD	
	Conversion Factor	0.40 to 1.0		-	0.40 to 1.0		0.40 to 1.0	
Salinity	Range	.. to 0.770 ppm 0.770 ppm to 143.3 ppt 143.3 ppt to 2.138 ppt 2.138 ppt to 23.64 ppt 23.64 ppt to 80.00 ppt	-	-	.. to 0.770 ppm 0.770 ppm to 143.3 ppt 143.3 ppt to 2.138 ppt 2.138 ppt to 23.64 ppt 23.64 ppt to 80.00 ppt	-	-	-
	Resolution	0.01 ppm/0.1 ppm/0.001 ppt/0.01 ppt		-	0.01 ppm/0.1 ppm/ 0.001 ppt/0.01 ppt		-	
	Accuracy	±1 % Full scale + 1 LSD		-	±1 % Full scale + 1 LSD		-	
Resistivity	Range	2.000 Ω to 25.00 Ω 25.00 Ω to 250.0 Ω 250.0 Ω to 3.333 kΩ 3.333 kΩ to 500.0 kΩ 500.0 kΩ to 20.00 MΩ	-	-	2.000 Ω to 25.00 Ω 25.00 Ω to 250.0 Ω 250.0 Ω to 3.333 kΩ 3.333 kΩ to 500.0 kΩ 500.0 kΩ to 20.00 MΩ	-	-	-
	Resolution	0.01 Ω/0.1 Ω/0.001 Ω/0.1 Ω/0.01 MΩ		-	0.01 Ω/0.1 Ω/0.001 Ω/ 0.1 Ω/0.01 MΩ		-	
	Accuracy	1 % Full scale		-	1 % Full scale		-	

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Dissolved Oxygen	Range	0.00 to 90.00 mg/L or ppm	–	0.00 to 90.00 mg/L or ppm		0.00 to 20.00 mg/L or ppm	–	
	Resolution	0.01 mg/L ; 0.01 ppm	–	0.01 mg/L ; 0.01 ppm		–	–	
	Accuracy	±0.2 mg/L	–	±0.2 mg/L		±1.5 % Full scale	–	
	Calibration Points	1	–	1		–	–	
	Probe	Galvanic with integral temperature sensor	–	Galvanic with integral temperature sensor		–	–	
% Saturation of Oxygen	Range	0 to 600.0 %	–	0 to 600.0 %		0.0 to 200.0 %	–	
	Resolution	0.1 %	–	0.1 %		0.1 %	–	
	Accuracy	±2.0 %	–	±2.0 %		±1.5 % Full scale	–	
Salinity Correction	Range	0.0 to 50.0 ppt	–	0.0 to 50.0 ppt		0.0 to 50.0 ppt	–	
	Resolution	0.1 ppt	–	0.1 ppt		0.1 ppt	–	
	Method	Automatic/manual	–	Automatic correction after manual input	Automatic/manual	Automatic correction after manual input	–	
Barometric Pressure Correction	Range	450 to 825 mmHg or 59.9 to 109.9 kPa	–	450 to 825 mmHg or 59.9 to 109.9 kPa		500 to 1499 mmHg or 66.6 to 199.9 kPa	–	
	Resolution	0.1 mmHg or 0.1 kPa	–	0.1 mmHg or 0.1 kPa		–	–	
	Method	Automatic correction with built-in sensor	–	Automatic correction with built-in sensor		Automatic correction after manual input	–	
Meter Features	Operating Temperature	0 to 50 °C						
	ATC	Yes						
	Hold Function	Yes						
	Ready Function	Yes						
	Auto-Off	2 to 30 Mins after last key pressed				20 Mins after last key pressed		
	Inputs	DC Phono sockets, BNC, 8 Pin connector, 6 pin connector	DC Phono sockets, BNC, 8 Pin connector,	DC Phono sockets, BNC, 8 Pin connector, 6 Pin connector,	DC Phono sockets, 6 Pin connector, 8 Pin connector	BNC, 6 Pin connector		6 Pin connector
Power	4x 1.5 V 'AA' Alkaline batteries or 9V DC Adapter, 500 mA					4x 1.5 V 'AAA' Batteries		
Battery Life	> 200 Hours		> 400 Hours		> 200 Hours		> 100 Hours	> 50 Hours
Dimensions (LxWxH) ; Weight	Meter	18.3 x 9.5 x 5.7 cm ; 460 g				19 x 10 x 6 cm ; 700 g	19 x 10 x 6 cm ; 320 g	
	Boxed	23.5 x 16 x 15.5 cm ; 800 g				34 x 40 x 10 cm ; 2200 g		

Order Code	Part No.	Description
ECPCDWP65044K	01X430902	Waterproof CyberScan PCD 650 pH/mV/Ion/Conductivity/TDS/Salinity/Resistivity/Dissolved Oxygen handheld meter with pH electrode (ECFC7252203B), 4 cell Conductivity probe (ECCONSEN9203J), Dissolved Oxygen probe (ECDOHANDYNEW), DAS software, power adapter & carrying kit set (all probes have 3 m cable length)
ECPCWP65043K	01X430602	Waterproof CyberScan PC 650 pH/mV/Ion/Conductivity/TDS/Salinity/Resistivity handheld meter with pH electrode (ECFC7252203B), 4 cell Conductivity probe (ECCONSEN9203J), DAS software, power adapter & carrying kit set (all probes have 3 m cable length)
ECPDWP65043K	01X430702	Waterproof CyberScan PD 650 pH/mV/Ion/Dissolved Oxygen handheld meter with pH electrode (ECFC7252203B), ATC probe, Dissolved Oxygen probe (ECDOHANDYNEW), DAS software, power adapter & pH carrying kit set (all probes have 3 m cable length)
ECCDWP65043K	01X430802	Waterproof CyberScan CD 650 Conductivity/TDS/Salinity/Resistivity/Dissolved Oxygen handheld meter with 4-cell Conductivity probe (ECCONSEN9203J), Dissolved Oxygen probe (ECDOHANDYNEW), DAS software, power adapter & carrying kit set (all probes have 3 m cable length)
ECPDWP30003K	01X267001	Waterproof CyberScan PD 300 pH/Dissolved Oxygen handheld meter (backlit) with pH electrode (ECDA9350603B), Dissolved Oxygen electrode (ECDOHANDYNEW), 1 assembled membrane cap housing, refilling electrolyte & pH carrying kit set (ECPHWPKIT)
ECPCWP30003K	01X262901	Waterproof CyberScan PC 300 pH/Conductivity/TDS handheld meter with pH electrode (ECFC7252201B), Conductivity electrode, 2 electrode holders & carrying kit set (ECPHWPKIT)
ECPCWP1003K	01X268701	Waterproof CyberScan PC 10 pH/Conductivity handheld meter with pH/Conductivity combined electrode (ECCOMBI03M) & carrying kit set (ECPHWPKIT)
ECPHWPKIT	01X266803	pH/Conductivity kit set – plastic carrying case comprises 1 x pH 7.00, 1413 mS, 12.88 mS KCl & 1 x deionised (rinse) water (60 ml)
ECPHWPKIT	01X266801	pH carrying kit set – plastic carrying case comprises 1 x pH 4.01, pH 7.00, storage solution & 1 x deionised (rinse) water (60 ml)
Accessories		
ECCONSEN91W	01X244702	2 stainless steel rings ultem-body electrode with ATC, cell constant K=1.0, 14x110 mm, 6-pin connector, 1 m cable
ECFC7252201B	01X099417	General purpose plastic-body double junction gel-filled pH combination electrode, 12x110mm, BNC connector, 1 m cable
ECDOHANDYNEW	01X239601	Galvanic Dissolved Oxygen electrode with ATC, 3 m cable
ECDA9350603B	93X218879	Submersible gel-filled pH combination electrode with 15 cm ABS guard; single annular ceramic junction, 3 m cable
ECCONSEN9203J	01X238761	4-cell epoxy-body electrode with ATC, 8-pin connector & 3 m cable
ECCOMBI03M	01X234601	Combined pH combination electrode and 2-pin stainless steel Conductivity electrode with ATC, 15 cm ABS guard, 3 m cable (for PC 10)
ECPHWPTM03J	01X021818	ATC probe, (for pH 620, 610 and 600 only), 3 m cable