

Models

CyberScan Premium Bench

Deluxe Bench

Economy Bench

PCD 6500

PC 6500

PC 6000

PC 2700

PC 700

## Multi-Parameter Bench Meters Specifications



Measuring Parameter	pH/pHFET/ORP/Ion/Conductivity/TDS/Salinity/Resistivity/Dissolved Oxygen/BOD/OUR/SOUR/°C/°F	pH / pH FET / ORP / Ion / Conductivity / TDS / Salinity / Resistivity / °C / °F	pH / pH FET / ORP / Conductivity / TDS / Salinity / Resistivity / °C / °F	pH / ORP / Ion / Conductivity / TDS / Salinity / Resistivity / °C / °F	pH / ORP / Conductivity / TDS / Resistivity / °C / °F	
Highlights	Windows® CE, 4 channel color touchscreen	Windows® CE, 3 channel color touchscreen	Windows® CE, 2 channel color touchscreen	Graphic LCD with backlight & extensive display	Large LCD with dual display	
pH	Range	-2.000 to 20.000 pH			-2.00 to 16.00 pH	
	Resolution	0.1 / 0.01 / 0.001 pH			0.01 pH	
	Accuracy	±0.1 / 0.01 / 0.002 pH + 1 LSD			±0.002 pH	±0.01 pH + 1 LSD
	Cal. Points	Up to 5			Up to 6	Up to 5
Ion	Concentration	1 x 10 <sup>-7</sup> to 9.99 x 10 <sup>10</sup> ppm	–	0.001 to 19999	–	
	Resolution	4 significant figures	–	2 or 3 digits	–	
	Accuracy	±0.17 n %	–	0.5 % full scale (monovalent); 1 % full scale (divalent)	–	
	Cal. Points	Up to 5	–	2 to 8	–	
Temperature	Range (Meter)	-5.0 to 105.0 °C / 23.0 to 221.0 °F (DO temp range: 0.0 to 50.0 °C / 32.0 to 122.0 °F)		0.0 to 100.0 °C / 32.0 to 212.0 °F		
	Resolution	0.1 °C / 0.1 °F				
	Accuracy	±0.2 °C / ±0.3 °F		±0.3 °C / ±0.5 °F		±0.5 °C / ±0.9 °F
ORP	Range	±2000.0 mV			±2000 mV	
	Resolution	0.1 mV			0.1 mV (±199.9 mV); 1 mV (beyond)	
	Accuracy	±0.2 mV			±0.2 mV (±199.9 mV); ±2 mV (beyond)	
Conductivity	Range	.. to 200 µS 200.0 µS to 2.000 mS 2.000 to 20.00 mS 20.00 to 500.0 mS	–	0.050 µS to 500.0 mS	0.0 µS to 200.0 mS	
	Resolution	0.001 / 0.01 / 0.1 µS; 0.001 / 0.01 / 0.1 mS	–	0.01 / 0.1 µS; 0.001 / 0.01 / 0.1 mS	0.01 / 0.1 / 1 µS; 0.01 / 0.1 mS	
	Accuracy	0.5 % full scale + 1 LSD			±1 % full scale	±1 % full scale
TDS	Range	.. to 200.0 ppm 200.0 to 2000 ppm 2.000 to 20.00 ppt 20.00 to 500.0 ppt**	–	0.050 ppm to 500 ppt (@ TDS factor 1.00)	.. to 100.0 ppt @ 0.5 fact (200.0 @ 1 factor)	
	Resolution	0.001 / 0.01 / 0.1 ppm; 0.001 / 0.01 / 0.1 ppt			0.01 / 0.1 ppm; 0.001 / 0.01 / 0.1 ppt	0.01 / 0.1 / 1 ppm; 0.01 / 0.1 ppt
	Accuracy	0.5 % full scale + 1 LSD			±1 % full scale	±1 % full scale
Salinity	Range	.. to 0.094 ppt 0.094 to 1.000 ppt 1.0 to 11.50 ppt 11.50 to 90.00 ppt	–	0.0 to 80.0 ppt	–	
	Resolution	0.1 / 0.01 / 0.001 ppt			0.1 ppt	–
	Accuracy	0.5 % full scale + 1 LSD			±1 % full scale	–
Resistivity	Range	0 to 100.0 MΩ over 4 ranges		2.000 Ω to 20.0 MΩ	–	
	Resolution	0.1 / 0.01 / 0.001 kΩ; 0.1 / 0.01 MΩ		0.01 / 0.1 Ω; 0.001 / 0.1 kΩ; 0.01 MΩ	–	
	Accuracy	0.5 % full scale + 1 LSD			±1 % full scale	–
Dissolved Oxygen (BOD, OUR, SOUR)	Range	0 to 60 mg/L; 0 to 600 % saturation (0 to 1272 mbar)	–	–	–	
	Resolution	0.01 mg/L; 0.1 % saturation (0.1 mbar)	–	–	–	
	Accuracy	0.1 mg/L + 1 digit; 0.1 % + 1 LSD	–	–	–	
Meter Features	Temperature Compensation	pH: ATC / MTC (-5 to 105 °C); Cond: ATC / MTC (-5 to 100 °C); DO: ATC (-5 to 46 °C)		ATC / MTC		
	GLP	Yes			–	
	Datalogging	Yes			–	
	Memory	Up to 1000 data sets per parameter			500 data sets	100 data sets
	Operating Temp.	5 to 45 °C			0 to 50 °C / 32 to 122 °F	
	LCD Display	Windows® CE colour touchscreen (11.43 x 15.24 cm)			Graphic LCD with backlight (5.9 x 7.8 cm)	Custom dual-display LCD (5.6 x 7.5 cm)
	Input	DC socket, 2 DIN, 2 BNC, 2 phono (ATC), FET, SD card, USB-A, USB-B, RJ45, audio	DC socket, DIN, 2 BNC, 2 phono (ATC), FET, SD card, USB-A, USB-B, RJ45, audio	DC socket, DIN, BNC, phono (ATC), FET, SD card, USB-A, USB-B, RJ45, audio	DC socket, BNC, 8-pin DIN (2-cell or 4-cell), RS232	DC socket, BNC, 8-pin DIN (2-cell)
Output	USB, IrDA, RS232C			RS232	–	
Power	9 V DC adapter, 3.3 A (100 / 240 VAC, SMPS)			9 V DC adapter, 1.3 A (100 / 240 VAC, SMPS)		
Dimensions (LxWxH); Weight	Meter	16.5 x 23.5 x 8.9 cm; 1100 g		17.5 x 15.5 x 6.9 cm; 650 g		
	Boxed	49 x 28 x 16 cm; 3990 g		30.8 x 23.5 x 12.4 cm; 1800 g		

\* Maximum 199.9 ppt depending on factor setting \*\* Maximum 500.0 ppt depending on factor setting