

pH/ORP Bench Meters Specifications



Models		CyberScan Premium Bench		Deluxe Bench		Economy Bench	
		pH 6500	pH 6000	Ion 2700	pH 2700	Ion 700	pH 700
Measuring Parameter		pH / pH FET / ORP / Ion / °C / °F	pH / pH FET / ORP / °C / °F	pH / Ion / ORP / °C / °F	pH / ORP / °C / °F	pH / Ion / ORP / °C / °F	pH / ORP / °C / °F
Highlights		Windows® CE dual-channel colour touchscreen, (with pH FET)	Windows® CE single-channel colour touchscreen, (with pH FET)	Graphic LCD with backlight & extensive display		Large LCD with dual display	
pH	Range	-2.000 to 20.000 pH		-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 + 1 LSD		±0.01 pH + 1 LSD	
	Cal. Points	Up to 5		Up to 6		Up to 5	
	Buffer Sets	USA, NIST, Euro, Custom		USA, NIST, DIN, User 1, User 2, Custom		USA, NIST	
ORP	Range	±2000.0 mV		±2000.0 mV		±2000 mV	
	Rel. mV Range	±2000.0 mV		±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)	
Ion	Concentration	1 x 10 ⁻⁶ to 9.99 x 10 ¹⁰ ppm	–	0.001 to 19999 ppm (± 2000 mV)	–	0.01 to 2000 ppm (± 2000 mV)	–
	Resolution	2 / 3 / 4 digits	–	2 / 3 digits	–	0.01 / 0.1 / 1 ppm	–
	Accuracy	±0.17 % full scale (monovalent) ±0.34 % full scale (divalent)	–	0.5 % full scale (monovalent) 1 % full scale (divalent)	–	±0.5 % full scale (monovalent) ±1 % full scale (divalent)	–
	Cal. Points	2 to 5	–	2 to 8	–	2 to 5	–
	Incremental Methods	KA, KS, AA, AS	–	–	–	–	–
Temperature	Range (Meter)	-5.0 to 105.0 °C / 23.0 to 221.0 °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	
Meter Features	Temperature Compensation	ATC / MTC (0 to 100 °C)		ATC / MTC (0 to 100 °C) (pH only)			
	GLP	Yes				–	
	Slope/Offset Display			Yes			
	Datalogging	Yes				–	
	Memory	Up to 1000 data sets per parameter		500 data sets		100 data sets	
	Operating Temperature			5 to 45 °C / 41 to 113 °F			
	LCD Display	Windows® CE colour touchscreen (11.5 x 15.4 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 BNC, 2 phono (ATC), FET, SD card, USB-A, USB-B, RJ45, audio	DC socket, BNC, phono (ATC), FET, SD card, USB-A, USB-B, RJ45, audio	DC socket, BNC, phono (ATC), phono (reference), phono (RS232)		DC socket, BNC, phono (ATC), phono (reference)	
	Output	USB, IrDA, RS232C		RS232C		–	
	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 ; 3330 g		30.8 x 23.5 x 12.4 cm ; 1800 g			