

pH/ORP
Handheld Meters
Specifications



Models	CyberScan Dual-Display							Eutech Single-Display								
	pH 620	pH 610	pH 600	pH 310	pH 300	pH 110	pH 11	Ion 6+	pH 6+	pH 5+						
Measuring Parameter	pH / ORP / Ion / °C / °F		pH / ORP / °C / °F			pH / ORP / °C		pH / ORP / °C		Ion / pH / ORP / °C	pH / ORP / °C	pH / °C				
Highlights	Waterproof, GLP, RS232C, IrDA, Ion, 0.001 pH		Waterproof, GLP, RS232C, IrDA, 0.001 pH		Waterproof, GLP		Waterproof handheld		Expanded memory, RS232C output		Standard handheld		Economical Ion, pH, ORP measurement	Economical pH, ORP measurement	Economical pH measurement	
pH	Range	-2.000 to 20.000 pH		-2.00 to 20.00 pH			-2.00 to 16.00 pH				0.00 to 14.00 pH					
	Resolution	0.1 / 0.01 / 0.001 pH		0.1 / 0.01 pH							0.01 pH					
	Accuracy	±0.002 pH		±0.01 pH							±0.01 pH					
	Cal. Points	1 (Offset) to 6-points			Up to 6 (using DIN)		Up to 5		Up to 6 (using DIN)		Up to 5		Up to 3			
	Buffer Sets	USA, NIST, DIN, PWB, Custom			USA, NIST, DIN		USA		USA, NIST, DIN, PWB		USA, NIST		USA, NIST, PWB			
ORP	Range	±2000.0 mV			±1999 mV				±500 mV		±1000 mV		-			
	Rel. mV Range	±2000.0 mV			±1999 mV				-		±500 mV		±1000 mV		-	
	Resolution	0.1 mV			0.1 mV (±199.9 mV) / 1 mV (beyond)				-		-		-			
	Accuracy	±0.2 mV + 1 LSD			±0.2 mV / ±2 mV + 1 LSD				-		-		-			
Ion	Range	0.001 to 19900		-			-				0.01 to 0.99 / 1.0 to 199.9 / 200 to 1999 ppm		-			
	Resolution	2 or 3 digits		-			-				0.01 / 0.1 / 1 ppm		-			
	Accuracy	0.5 % full scale (monovalent) 1 % full scale (divalent)		-			-				±1 % full scale		-			
	Cal. Points	Up to 8		-			-				Up to 3		-			
Temperature	Range	-10 to 110 °C / 14 to 230 °F			-10 to 110 °C		-10 to 110 °C / 14 to 230 °F		0.0 to 100.0 °C							
	Resolution	0.1 °C / 0.1 °F			0.1 °C		0.1 °C / 0.1 °F		0.1 °C							
	Accuracy	±0.5 °C / ±0.9 °F			±0.5 °C		±0.5 °C / ±0.9 °F		±0.5 °C							
Meter Features	Temperature Compensation	ATC / MTC (0 to 100 °C)														
	GLP	Yes			-											
	Cal-Due Alarm	Yes			-											
	Slope/Offset Display	-			Yes				-							
	IP67	Yes			-											
	Datalogging	Yes			-											
	Memory	500 data sets			50 data sets		16 data sets		100 data sets		50 data sets		-			
	Operating Temperature	0 to 50 °C														
	Average/Stability	Yes														
	LCD Display	Dot-matrix LCD with backlight (5.4 x 7.1 cm)			Dual-display LCD (5.8 x 3.3 cm)				Single-display LCD (4.5 x 2.3 cm)							
	Auto-Off	2 to 30 mins after last key pressed			20 mins after last key pressed											
	Input	DC phono sockets, 8-pin connector, BNC			6-pin connector, BNC		DC socket, BNC, 2.5 mm phono socket		BNC, 2.5 mm phono socket							
	Output	IrDA, RS232C (via LED) *			-		RS232C		-							
	Power	4 x 1.5 V 'AAA' alkaline batteries or 9 V DC adapter, 500 mA			4 x 1.5 V 'AAA' alkaline batteries		4 x 1.5 V 'AAA' alkaline batteries or 9 V DC adapter, 200 mA		4 x 1.5 V 'AAA' alkaline batteries							
	Battery Life	> 500 hrs			> 200 hrs		> 700 hrs		> 500 hrs							
Dimensions (LxWxH); Weight	Meter 18.3 x 9.5 x 5.7 cm ; 460 g			19 x 10 x 6 cm ; 320 g		18 x 9 x 4 cm ; 220 g		15.7 x 8.5 x 4.2 cm ; 255 g								
	Boxed 40 x 33 x 10 cm ; 2680 g			40 x 33 x 10 cm ; 2100 g		36 x 28 x 8 cm ; 1555 g										

* RS232C (LED) interface adapter available as separate accessory (see page 27 for order information)