

Ion 6+ ; pH 6+ ; pH 5+

Ion/pH/ORP/°C pH/ORP/°C pH/°C

pH/ORP/Ion
Economy Handheld

The new Eutech Ion 6+, pH 6+ and pH 5+ offer you the greatest value-for-money for basic pH and ion measurement needs. Rugged and user-friendly, these no-frill meters come with protective rubber boots and convenient benchtop stands – great for both the lab and the field.



Ion 6+



Reader-friendly screen display



Protective rubber boot



Available in complete kit version

- Up to 3 calibration points with auto-buffer recognition and choice of USA, NIST and pure water buffer option sets – quick, easy calibration with no mistakes
- Accuracy of up to ± 0.01 pH and ± 0.5 °C
- Automatic Temperature Compensation (ATC)
- Non-volatile memory holds your settings, even when meter runs out of batteries
- Hold function freezes readings for easy reference
- Auto-off conserves energy and lengthens battery life-span
- Easy troubleshooting with comprehensive self-diagnostic messages













Applications

General: Ideal for checks in pools and spas, aquariums and hydroponics operations, or anywhere water quality is a concern.

Industrial: Cooling towers, food processing, water and wastewater treatment, photo-development, printing and chemical industries.

Educational: Useful for most laboratory, ecological studies and other applications.

**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 / °F	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, RS232C, IrDA, 0.01 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		±0.01 pH			
	Accuracy	±0.002 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'AA' 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)