

pH/ORP Bench Meters Specifications

Models		Deluxe Bench		Economy Bench			
		Ion 2700	pH 2700	Ion 700	pH 700		
pH/ORP Bench Meters Specifications							
		Measuring Parameter		pH / Ion / ORP / °C / °F	pH / ORP / °C / °F	pH / Ion / ORP / °C / °F	pH / ORP / °C / °F
		Highlights		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	±0.002 pH + 1 LSD		±0.01 pH				
Cal. Points	Up to 6		Up to 5				
ORP	Buffer Sets	USA, NIST, DIN, User 1, User 2, Custom		USA, NIST			
	Range	±2000.0 mV		±2000 mV			
	Rel. mV Range	±2000.0 mV		±2000 mV			
	Resolution	0.1 mV		0.1 mV (±199.9 mV) / 1 mV (beyond)			
Ion	Accuracy	±0.2 mV		±0.2 mV (±199.9 mV) / 2 mV (beyond)			
	Concentration	0.001 to 19999 ppm (±2000 mV)	–	0.01 to 2000 ppm (±2000 mV)	–		
	Resolution	2 / 3 digits	–	0.01 / 0.1 / 1 ppm	–		
	Accuracy	0.5 % full scale (monovalent) 1 % full scale (divalent)	–	±0.5 % full scale (monovalent) ±1 % full scale (divalent)	–		
Temperature	Cal. Points	2 to 8	–	2 to 5	–		
	Range (Meter)	0.0 to 100.0 °C / 32.0 to 212.0 °F					
	Resolution	0.1 °C / 0.1 °F					
	Accuracy	±0.3 °C / ±0.5 °F (0 to 70 °C)					
Meter Features	Compensation	ATC / MTC (0 to 100 °C) (pH only)					
	GLP	Yes		–			
	Slope/Offset			Yes			
	Datalogging	Yes		–			
	Memory	500 data sets		100 data sets			
	LCD Display	Graphic LCD with backlight (5.9 x 7.8 cm)		Custom dual-display LCD (5.6 x 7.5 cm)			
	Input	DC socket, BNC, phono (ATC), phono (reference), phono (RS232)		DC socket, BNC, phono (ATC), phono (reference)			
	Output	RS232C		–			
Dimensions (LxWxH); Weight	Power	9 V DC adapter, 1.3 A (100 / 240 VAC, SMPS)					
	Meter	17.5 x 15.5 x 6.9 cm ; 650 g					
	Boxed	30.8 x 23.5 x 12.4 cm ; 1800 g					

pH/ORP Bench Meters

Item	Order Code	Part No.	Parameters				Electrodes				Accessories				
			pH	ORP	Ion	Temperature	pH Electrode (EC620131)	pH Electrode (ECF7252101B)	pH Electrode (ECF7370101B)	ATC Probe (PH5TEMB01P)	Integral Electrode Holder	Power Adapter	RS-232 Cable (30X427301)	pH Electrode Refill Solution, 60 ml	pH Sachets
Ion 2700	ECION270042GS	01X543904	•	•	•	•			•	•	•	•	•	•	•
Ion 2700	ECION270040S	01X543903	•		•	•					•	•	•		•
pH 2700	ECPH270042GS	01X543902	•	•		•			•	•	•	•	•	•	•
pH 2700	ECPH270040S	01X543901	•	•		•					•	•	•		•
Ion 700	ECION70040S	01X541609	•		•	•					•	•			•
pH 700	ECPH70042S	01X541605	•	•		•		•		•	•	•			•
pH 700	ECPH70042GS	01X541610	•	•		•	•			•	•	•			•
pH 700	ECPH70040S	01X541603	•	•		•					•	•			•

Replacement Electrodes & Accessories

Used With	Description	Order Code	Part No.
pH 2700	Glass-body double junction Ag/AgCl refillable pH electrode, 12 x 110 mm, BNC connector, 1 m cable	ECFG7370101B	93X218819
pH 700	General purpose plastic-body single junction gel-filled pH combination electrode, 12 x 90 mm, BNC connector, 1 m cable	ECFC7252101B	01X099412
pH 2700 / pH 700	ATC probe	PH5TEMB01P	01X210303
pH 2700 / Ion 2700	RS232 to USB cable – use with 30X427301 cable to connect 2700 to USB port of PC	30X544601	30X544601
pH 2700 / Ion 2700	100 / 240 VAC SMPS power adapter, 9 V, 6 W	60X426401	60X426401
pH 700 / Ion 700	100 / 240 VAC SMPS power adapter, 9 V, 6 W	60X030130	60X030130
pH 2700 / Ion 2700	ECFG7370101B pH electrode refill solution, reference, saturated potassium chloride, 60 ml	01X211297	01X211297
All meters	Electrode arm and bracket	01X321801	01X321801