

Features

- Simple Operation
- Dual Measurement Includes Temperature Display With All Readings
- 100 Point Memory
- Detachable Electrode Holder
- Compact Footprint Saves Valuable Bench Space
- Custom Setup Options
- Hold Function And Stability Indicator
- 3-Year Warranty



Bench 700 Series Comparison Table

Meter Features	pH 700	Ion 700	CON 700	DO 700	PC 700
pH & mV	✓	✓			✓
Ion		✓			
Temperature	✓	✓	✓	✓	✓
Conductivity & TDS			✓		✓
Dissolved Oxygen				✓	
Memory	100 data sets				
Power Requirements	9 V DC adapter, 3.3 A (100/240 VAC, SMPS)				
Dimension ; Weight	Meter: 17.5 (L) x 15.5 (W) x 6.9 (H) cm ; 650 g ; Boxed: 30.8 (L) x 23.5 (W) x 12.4 (H) cm ; 1800 g				



pH 700

pH / mV-Redox-ORP / Temperature

Economical, user-friendly and accurate, the Eutech pH 700 is your ideal choice for routine applications in laboratories, productions plants and schools.

- Large, easy-to-read display
- Ready indicator let you know when readings are stable
- Up to 5-point calibration with auto-buffer recognition
- Non-volatile memory holds up to 100 data points
- Integral electrode holder

Applications:

• **Educational:** Useful for most laboratory, ecological studies and other applications. • **Laboratory:** Environmental studies, chemical labs, titrations and quality assurance testing. Use in all types of food processing.

Eutech pH 700 & Ion 700



Ion 700

pH / Ion / mV-Redox-ORP / Temperature

Ion-selective electrode measurement has never been this easy – or economical! The Ion 700 measures and records up to 100 data points with 0.01 resolution.

- Meter accepts pH, Redox or Ion selective electrodes – it's like having three meters in one!
- Large, easy-to-read display
- Direct Ion concentration measurement – use with many different ion-selective electrodes
- Up to 5-point calibration with auto-buffer recognition
- Non-volatile memory holds up to 100 data points
- Integral electrode holder

Applications:

• **Educational:** Useful for most laboratory, ecological studies and other applications. • **Laboratory:** Environmental studies, chemical labs, titrations and quality assurance testing. Use in all types of food processing.



Bench 700 Series Specification Tables




| Warranty | Eutech Instruments provides three years of warranty against manufacturing defects for our meters, and six months for our electrodes.



Eutech reserves the right to make changes, improvements and modifications to products shown.

pH/Ion Bench Meters		pH 700		Ion 700	
					
pH	Range	-2.00 to 16.00 pH			
	Resolution	0.01 pH			
	Accuracy	±0.01 pH			
	Cal. Points	Up to 5			
	Buffer Sets	USA (1.68, 4.01, 7.00, 10.01, 12.45), NIST (1.68, 4.01, 6.86, 9.18, 12.45)			
ORP	Range	±2000 mV			
	Rel. mV Range	±2000 mV			
	Resolution	0.1 mV (±199.9 mV) / 1 mV (beyond)			
	Accuracy	±0.2 mV (±199.9 mV) / 2 mV (beyond)			
Ion	Concentration	–	0.01 to 2000 ppm (±2000 mV)		
	Resolution	–	0.01 / 0.1 / 1 ppm		
	Accuracy	–	±0.5 % full scale (monovalent) ±1 % full scale (divalent)		
	Cal. Points	–	2 to 5		
Temperature	Range	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)			
	Compensation	ATC / MTC (0 to 100 °C) (pH only)			
	Calibration	Offset in 0.1 ° increments; offset range: ±5.0 °C / ±9.0 °F			

Conductivity Bench Meter		CON 700	
			
Conductivity	Range	.. µS to 200.0 mS	
	Resolution	0.01 / 0.1 / 1 µS; 0.01 / 0.1 mS	
	Accuracy	±1 % full scale	
	Cal. Points	Up to 5	
	Cell Constant	0.1, 1.0, 10.0 (selectable)	
TDS	Range	.. to 100.0 ppt @ 0.5 fact (200.0 @ 1 factor)	
	Resolution	0.01 / 0.1 / 1 ppm; 0.01 / 0.1 ppt	
	Accuracy	±1 % full scale	
	Cal. Points	Manual (5 points); maximum 1 per range	
Temperature	TDS Factor	0.40 to 1.00 (adjustable)	
	Range (Meter)	0.0 to 100.0 °C / 32.0 to 212.0 °F	
	Resolution	0.1 °C / 0.1 °F	
	Accuracy	±0.5 °C / ±0.9 °F	
	Coefficient (Per °C)	0.00 to 10.00 %	
	Normalization	15.0 to 30.0 °C / 59.0 to 86.0 °F	
	Compensation Type & Range	Automatic with supplied cell or manual 0.0 to 100 °C / 32.0 to 212.0 °F, 0 to 80 °C / 32.0 to 176.0 °F with supplied cell	
Calibration		Offset in 0.1 ° increments; offset range: ±5.0 °C / ±9.0 °F	



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