


# 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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