

Product Name :
Microprocessor PH-EC-TDS Meter

Product Code :
ELAB-ELC0008



Description :

Microprocessor PH-EC-TDS Meter

Technical Specification :

Microprocessor pH-EC-TDS Meter

Features:-

16x2 Alphanumeric LCD with Backlit

pH, EC, TDS & Temperature Measurements

Auto Temperature Compensation

Auto Buffer Recognition in pH Mode

Auto Ranging Facility in EC Mode

Programmable Ref. Temp & Temp.

Coeff in EC Mode

90 Samples Storage Facility

Printer Attachment Facility

Microprocessor Based pH-EC-TDS Meter is a solid state instrument designed for precise pH, EC, TDS and Temperature measurements.

The instrument uses the latest microprocessor technology and advanced engineering techniques so as to give enhanced accuracy and reproducibility.

The system has user friendly prompts, which guide you throughout the measurement process.

The instrument has 8 soft touch membrane type keys for ease of operation.

It has the storage facility for 90 samples, which are retained in the memory even when the system is switched Off.

Provision has also been made for attachment of any dot matrix printer with centronics interface so that any of the stored result can be printed.

The instrument is extremely useful for chemical & pharmaceutical industry, agriculture and soil laboratories, swimming pools, water quality control in boiler feed water, water works department, fertilizer plants, petroleum refineries, breweries, water purification plants etc.

Specifications:-

PARAMETER	pH	CONDUCTIVITY	TDS	TEMPERATURE
Range Selection	-	Automatic	Automatic	-
Range	0 - 14.00 pH	0 - 20, 0 - 200 μ S, 0 - 2, 0 - 20, 0 - 200 mS	0 - 20, 0 - 200 ppm, 0 - 2, 0 - 20, 0 - 200 ppt	0 - 100 $^{\circ}$ C
Accuracy	\pm 0.01 pH, \pm 1 Digit	\pm 0.5% FS, \pm 1 Digit	\pm 1% FS, \pm 1 Digit	0.1 $^{\circ}$ C
Resolution	0.01 pH	0.01 μ S	0.01 ppm	0.1 $^{\circ}$ C
Cell constant	-	Adjustable (0.05 - 10.5)	Adjustable (0.05 - 10.5)	-
Temperature compensation	Auto/Manual (0 - 100 $^{\circ}$ C)	Auto/Manual (0 - 50 $^{\circ}$ C)	Auto/Manual	-
Temperature Coefficient	-	Adjustable (0.1 - 4.0%)	Adjustable (0.1 - 4.0%)	-
Readout	16 x 2 Line Alphanumeric LCD display			
Storage	Up to 90 Samples			
Key board	8 Keys, Soft Touch Membrane Type			
Printer Interface	Dot Matrix Printer with Centronics Interface			
Power	230 V \pm 10 % AC, 50 Hz			
Dimensions (L x B x H)	Instrument: 285 x 190 x 90 mm (Approx.) Packing Box: 335 x 305 x 265 mm (Approx.)			
Weight	2.5 Kg (Approx.)			
Accessories	pH Combination Electrode, pH Buffer Tablets (4.00 & 7.00 pH), Conductivity/TDS Cell, Temperature Probe, Electrode Stand, Mains Lead, Operation Manual, Dust Cover			

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