

Microprocessor Based  
pH-EC Meter

1611

# Microprocessor Based pH-EC Meter



**1** Year  
Warranty

- 16x2 Alphanumeric LCD Display
- pH, EC & 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 Meter model 1611 is a solid state instrument designed for precise pH, EC 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.

ENVIRONMENTAL  
AND SCIENTIFIC  
INSTRUMENTS CO.

AN ISO 9001 : 2000 CERTIFIED CO.

### Technical Data

PARAMETER	pH	CONDUCTIVITY (EC)	TEMPERATURE
RANGE SELECTION	----	Automatic	----
RANGE	0-14.00pH	0-20, 0-200 µS 0-2, 0-20, 0-200 mS	0-100°C
ACCURACY	0.01pH ± 1 Digit	± 0.5% FS ± 1 Digit	± 0.1°C
RESOLUTION	0.01pH	0.01 µS	0.1°C
CELL CONSTANT	----	Adjustable (0.05-10.5)	----
TEMPERATURE COMPENSATION	Auto/Manual (0-100°C)	Auto/Manual (0-50°C)	----
TEMPERATURE COEFFICIENT	----	Adjustable (0.1- 4.0%)	----
AUTO BUFFER RECOGNITION	4.00, 7.00, 9.20 pH	----	----
READOUT	16x2 Line Alphanumeric LCD Display with Backlit		
STORAGE	up to 90 Samples		
KEY BOARD	8 Soft touch membrane type keys		
PRINTER INTERFACE	Provision for attachment of Dot-Matrix Printer with Centronics Interface		
POWER	230V ± 10% AC, 50 Hz		
WEIGHT	2.5 Kg (Approx)		
DIMENSIONS (L x B x H)	Instrument : 285 x 195 x 90 mm (Approx.) Packing Box : 335 x 305 x 265 mm (Approx.)		
ACCESSORIES	pH Combination Electrode, pH Buffer Tablets (4.00 & 7.00 pH), Conductivity Cell, Temperature Probe, Electrode Stand, Dust Cover, Instruction Manual, Mains Lead		

Note: Specifications are subject to change due to continuous improvements.

### Product Range

Semi Auto Analyser, Double Beam UV/VIS Spectrophotometer, Single Beam UV/VIS Spectrophotometer, Flame Photometer, Haemoglobin Meter, Photo Colorimeter, pH Meter, Conductivity Meter, TDS Meter, DO Meter, Salinity Meter, Turbidity Meter, Nephelometer, Colony Counter, Karl Fischer Moisture Titrator, Fluorometer, Dissolution Test Apparatus, Disintegration Test Apparatus, Friability Apparatus, Melting Point Apparatus, Telethermometer, Temperature Indicator, Water & Soil Analysis Kit, Portable pH Meter, Portable Conductivity Meter, Portable TDS Meter, Portable DO Meter, Student Microscope, Binocular Microscope, Medical Microscope, Co-Axial Microscope.