

181

Digital pH, Conductivity & Temperature Meter



Advantages

- Iron & Steel
- Brewing & Beverage
- Food Processing
- Water Production

1 Year
Warranty

Digital pH, Conductivity & Temperature Meter Model 181 is an elegant, rugged and most economical instrument for fast and accurate pH, Conductivity and Temperature measurements in any laboratory. This instrument is useful for monitoring acidity & alkalinity, conductivity and temperature of natural water, sea water, drinking water, treated water, waste water, brine solution, soil and other chemical solutions. 3 ½ digit, seven segment bright red LED display & solid state IC circuitry makes it versatile and reliable. It operates on 230V AC, 50Hz.

The instrument is extremely useful for chemical laboratories, pollution and environmental testing, public health engineering, sugar, cement & paper Industries, pharmaceuticals and boiler water analysis, agriculture and soil labs, brewery and transport under takings, fertilizer plants and petroleum refineries etc.



Digital pH, Conductivity & Temperature Meter

Technical Data

PARAMETERS	
pH	
Range	0 - 14 pH
Resolution	0.01 pH
Accuracy	± 0.01 pH, ±1 pH
Input Impedance	> 10 ¹² ohms
Temperature Compensation	0 to 100° C (Auto)
Slope Correction	80 to 120%
CONDUCTIVITY	
Range	0 - 20 mS/cm in 2 ranges
Accuracy	± 0.5% ±1 digit
Resolution	1µS/cm
Oscillator	1KHz in-built
Cell Constant	0.2 to 1.8 adjustable directly on digital display
Temperature Compensation	0 to 50° C adjustable from Temp. Table at 25° C
TEMPERATURE	
Range	0 to 100° C
Resolution	0.1° C
Accuracy	± 0.2% ±1 digit
Sensor	Semiconductor
GENERAL	
Digital Display	3 ½ Digit red LED
Power	230 V±10% AC, 50Hz
Dimensions	Inst: 275 x 175 x 76 mm Box: 325 x 300 x 230 mm
Weight	2.5 Kg (Approx.)
Accessories	pH Combination Electrode, Conductivity Cell, Temperature Probe, 7 & 4 pH Bottles, Beaker, Operation Manual, Dust Cover

Specifications are subject to change due to continuous improvements

Product Range

Semi Auto Analyser, Single Beam and double Beam UV/VIS Spectrophotometer, Flame Photometers, Haemoglobin Meter, Digital pH, Meter, Digital Photo Fluorometer, Digital Conductivity Meter, Digital Photo Colorimeter, Turbidity Meter, Auto KF Titrimer, Digital DO Meter, Digital Conductivity Meter, Digital TDS Meter, Temperature Indicator, Digital Telethermometer, Water & Soil Analysis Kit, Digital Salinity Meter, Digital Colony Counter, Portable pH Meter, Portable Conductivity Meter, Portable TDS Meter, Portable DO Meter, Digital Tablet Disintegration Apparatus, Digital Friability Test Apparatus Tablet Dissolution Test Apparatus, Melting Point Apparatus, Student Microscope, Binocular microscope, Medical Microscope, Co-Axial Microscope.

