

# Digital pH, Conductivity & Temperature Meter

ZI 14005



## Digital pH, Conductivity & Temperature Meter : ZI 14005

Digital pH, Conductivity & Temperature Meter 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 & temperature of natural water, sea water, drinking water, treated water, waste water, brine solution, soil and other chemical solutions. 3½ digit, 7 segment bright red LED display and solid state IC circuitry makes it versatile and reliable. It operates on 230V AC, 50Hz. This instrument is extremely used for chemical labs, pollution and environmental testing, public health engineering, sugar, cement, paper, industries, pharmaceuticals & boiler water analysis, agriculture and soil labs, brewery and transport under takings, fertilizer plants and petroleum refineries etc.

### FEATURES :

Highly Stable and Accurate

Cell Constant Adjustment Facility

3½ digit Red LED Display

Rugged & Reliable Design

## SPECIFICATIONS

### General

Digital Display	3½ digit LED
Power	220V AC $\pm$ 10% 50Hz
Dimensions	75 x 175 x 275mm
Weight	2.5 Kg. (approx.)

<b>Parameters</b>	
<b>pH</b>	
Range	0-14pH
Resolution	0.01pH
Accuracy	$\pm 0.01$ pH $\pm$ digit
Input Impedance	$> 10^{12}$ ohms
Temperature Compensation	0-100°C (manual)
Slope Correction	80 to 120%
<b>Conductivity</b>	
Range	0 to 20mS/cm in 2 ranges
Accuracy	$\pm 0.5\%$ $\pm 1$ digit
Resolution	1 $\mu$ S/cm
Oscillator	1KHZ in-built
Cell Constant	0.2 to 1.8 adjustable directly on digital display
Temperature Compensation	0-50°C adjustable from Temp. Table at 25°C
<b>Temperature</b>	
Range	0-100°C
Resolution	0.1°C
Accuracy	$\pm 0.2\%$ $\pm 1$ digit
Sensor	RTD (PT-100)

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