

Digital pH Meter



FEATURES

- Measures pH value from 0 to 14 pH.
- Measuring resolution 0.01 pH.
- Portable and battery operated.
- Standardization Facility
- Anti-Corrosive powder coated body
- Easy plug in detachable sensor socket

DESCRIPTION

Digital pH Meter Type 7740 has been designed and fabricated to meet the requirements of chemical laboratories for carrying out pH measurements in the field of water and water waste industry, pollution control, drugs, pharmaceuticals, petrochemicals and fertilizers industries. Vaiseshika Digital pH Meter represents the latest generation of design and technology in pH measurement techniques that offer a high order of stability and reproducibility.

Digital pH Meter is having a range of 0 to 14 pH and resolution 0.01 pH with an accuracy of ± 0.05 pH. This pH Meter is portable and battery operated having LCD display of 3½ Digits.

Digital display, rugged housing and precision two point calibration potentiometers make the pH Meter perfect for field, plant or laboratory use.

Digital pH Meter has been designed and developed in technical collaboration with the ETDC, Ambala Cantt.

TECHNICAL SPECIFICATION

pH-range	: 0 to 14 pH
Resolution	: 0.01 pH
Accuracy	: ± 0.05 pH
Ambient Temperature Compensation	: 0 to 80°C adjustable.
Display	: 3½ digits LCD
Power	: 9 Volts battery
Dimensions	: 8 (L) x 5 (D) x 9 (H) cm.

APPLICATIONS

- ❖ Medical institutes
- ❖ Anodizing & electroplating
- ❖ Water & water waste technologies
- ❖ Petrochemicals
- ❖ Breweries & distilleries
- ❖ Pharmaceutical industry
- ❖ Chemical engineering
- ❖ Effluent treatment plants
- ❖ Research & Development laboratories
- ❖ Agricultural Sector for soil pH

Intelligent Ph/mV/EC/TDS Meter



FEATURES

- Record maximum and minimum readings.
- Data Hold, °C/°F, RS-232 computer interface.
- Auto shut off saves battery life.
- Built-in low battery indicator.
- Auto (optional probe) / manual (built-in) temperature compensation function enables accurate measurement on different solutions.
- Heavy duty & compact housing case designed.
- PH function with high input impedance avoids measuring error

DESCRIPTION

The 50300 is a multi-purpose and economical portable meter with RS-232 output. A range of probes for measurement of pH, conductivity, temperature and Total Dissolved Solids are available. Each probe has built-in signal conditioning, so scaling or calibrating of the instrument is not required and the correct units of measurement are automatically displayed.

Microprocessor circuit assures maximum possible accuracy

Expandable plugs satisfy your different measurement demands, on time, on Conductivity, TDS (Total Dissolved Solids), pH measurement, mV

Wide application : water condition, aquariums, beverage, fish hatcheries, food processing, photography, laboratory, paper industry, school and college.

TECHNICAL SPECIFICATION

Display	: Dual function meter's display, 13 mm super large LCD display
Measurement	: pH 0 - 14 pH mV ± 1999 mV CD 2 ~ 20 mS TDS 2,000 to 20,000 PPM,
Input impedance	: 1012 ohms
Temperature compensation for pH/EC measurement	: Manual 0 - 100 °C Automatic (ATC) With the optional temperature probe (YK-200STC), 0-65°C
Power off	: auto power off saves battery life or manual shut off by push button
Data hold	: to hold the reading values on display
Data record	: record Max. Min. reading values on the display
Data output	: RS-232C PC serial interface
Over load indication	: "—" on the display
PH electrode	: any combination pH electrode with BNC connector
Operating temperature	: 0°C to 50°C (32°F to 122°F)
Operating humidity	: less than 80% RH
Sampling time	: approx. 0.8 second
Power supply	: DC 9V battery or equivalent
Weight:	: 250 gr.
Size:	: 195 x 68 x 30 mm

ELECTRICAL SPECIFICATIONS (23°C \pm 5°C)

Measurement:	: PH	mV
Range:	: 0 to 14 pH	± 1999 mV
Resolution:	: 0.01 pH	1 mV
Accuracy:	: $\pm (0.02\text{pH} + 2d) \pm (0.5\% + 2d)$	

CD/TDS PROBE

- ☞ **CD Range:** 2 ~ 20 mS, temperature
- ☞ **TDS range:** 2,000 PPM 20,000 PPM, temperature
- ☞ **Carbon electrode** for long life
- ☞ **Record** maximum and minimum readings
- ☞ **RS-232C interface** with serial cable