

LAB pH METER, PRECISION

CpH-102 & CpH-103

CONTECH[®] CpH-102, an advanced Bench top pH Meter is the perfect combination of the state of the art electronic design coupled with advanced software & reliable electro chemical sensor higher uses a combination plastic pH electrode with inbuilt temperature sensor for the simultaneous measurements of pH & temperature & automatic temperature correction. CpH-103, a higher end bench pH Meter incorporates a glass electrode & separate temperature sensor for high accuracy pH measurement & automatic temperature compensation.

These pH Meters cover innumerable applications in Research, Education, Chemical, Pharmaceutical, Food processing, Cosmetic, Biological & Agricultural fields.

Features

- ◆ pH, mV and temperature measurement.
- ◆ Automatic or Manual temperature Compensation
- ◆ 3 point pH calibration, Automatic buffer recognition.
- ◆ Buffers selectable from 1.68pH, 4.00pH, 4.01pH, 6.86pH, 7.00pH, 9.18pH, 9.20pH, 10.01pH and 12.45pH
- ◆ Bi directional RS232 interface. Baud rate selectable from 1200,2400,4800 and 9600.
- ◆ Single and continuous print out of measuring parameters.
- ◆ Multiple Printout types. Combinations selectable from Sr. No., pH, mV, Date, time and temperature.
- ◆ Real Time Clock. Calibration report as per GLP requirements.
- ◆ Electrode Slope and mV offset display.
- ◆ Memory storage of 100 pH measurements.
- ◆ Data logging facility up to 500 results. Data logging interval selectable from 5S, 10S, 20S, 30S, 1M, 2M and 5M.
- ◆ Temperature calibration with respect to solution of known temperature.

pH, mV, °C



pH
mV

} inbuilt temp.
sensor for
CpH-102



pH
mV

} For CpH-103
Temp.



Specifications :

Model	CpH-101	CpH-102	CpH-103
pH Range	0-14pH	0-14pH	-2.0000~19.999pH
pH Resolution	0.01pH	0.01pH	0.001pH
pH Accuracy	±0.02pH	±0.01pH	±0.002pH
Temperature compensation	Manual	Automatic or Manual	Automatic or Manual
Temperature range	0~100 ^o C	0~100 ^o C	0~100 ^o C
mV Range	±1999mV	±1999mV	±1999.9mV
mV Resolution	1mV	1mV	0.1mV
mV Accuracy	±2mV	±1mV	±0.5mV
Electrode	pH combination electrode - Plastic- EpHP01	pH combination electrode with built in temperature sensor - Plastic-EpHP02	pH combination electrode - Glass -EpHG03
Temperature Electrode	---	Built in	Temperature sensor electrode - ETS01
Meter Dimensions (mm)	175 (L) x 140 (D) x 55 (H)	165 (L) x 190 (D) x 60 (H)	165 (L) x 190 (D) x 60 (H)
Meter Weight	600 g	700 g	700 g

Display : Backlight LCD
 Power : 9V/ 500mA External adaptor or battery backup unit. (Optional)
 Operating Temperature : 15~45°C