

Features

- Advanced microcontroller based user friendly state-of-the-art product design.
- PICO pH Meter complies to USP and DIN standards.
- Sleek moulded cabinet with alphanumeric splash waterproof polyester keyboard with soft keys.
- User interactive software in dialogue mode for ease of operation with protection against invalid entries.
- 20 x 2 line back lighted LCD display.
- Simultaneous measurement of pH, mV and temperature.
- Non-volatile memory storage of :
 - a) 40 pH and 40 mV readings with temperature in pre-selected GLP or Non-GLP format.
 - b) 24 data memory readings of pH, temperature and time in data logging mode (optional).
- Password protection for calibration data and stored Readings.
- Calibration data with date and time stamp for authentication. Facility to view the calibration data.
- Calibration reminder alarm.
- Alphanumeric entries of sample name, identification number for authentication.
- Automatic temperature compensation by Pt.100 temperature sensor. Range 0° to 150°C.
- 3 point (Isopotential) or 5 point (linear or segmented) calibration protocol.
- Input stability indicator for reproducible results.
- Built-in real time clock (RTC) for time display and on report printout.
- Factory entered CUSTOMER NAME on report printout for authentication.
- Error indication helps the user to trace the problem.
- Audible beep indication during valid key operation.
- PC compatibility for data downloading (optional)
- Combined pH and conductivity instrument is available

Specifications

pH

pH range	-2.00 to 19.999
Resolution	0.1/ 0.01/ 0.001 pH
Relative Accuracy	+/- 0.002 pH
Slope	3 points 80% to 120%, 5 points 90% to 105%
Sensor	Combination pH electrode
Calibration	Auto-calibration and printout of calibration Report.

millivolt

mV range	0 to +/- 1999.9 mV
Resolution	+/- 0.1 mV
Relative accuracy	+/- 0.2 mV

Temperature

Temperature range	0 to 150°C
Resolution	0.1°C
Relative accuracy	+/- 0.2°C
Sensor	RTD PT 100
Temp. Compensation	Auto / Manual

Input

Input Impedance	1 BNC, 1 Banana, 1 ATC - PT 100 > 10 ¹² ohms
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Output

a)Printer	Parallel port
b)RS 232C	PC connectivity

Keyboard

Alphanumeric splash water-proof polyester soft keys.

Display

20 x 2 line back lighted Liquid Crystal Display(LCD).

Electrode diagnosis

Yes

Data Storage

Non-Volatile memory.

Report format

(a) Report of selected pH & mV reading with temperature.
(b) Calibration report
(c) Data table & Graph (optional)

Power requirement

230 V ac, +10% / 50Hz

Environmental Operating Conditions

a) Operation	Indoor
b) Temperature	Ambient to 45°C
c) Relative humidity	5 to 90% non-condensing

Dimensions

305 x 220 x 70mm (W x D x H)

Weight

2.2 kgs.

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