

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.

LABINDIA
ANALYTICAL
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www.labindia-analytical.com / For Enquiries: sales.mfd@labindia.com

Labindia Analytical Instruments Pvt. Ltd.

HEAD OFFICE:

Thane: 201, Nand Chambers, LBS Marg, Near Vandana Cinema, Thane (W) - 400 602.
Tel.: +91-22-2598 6000 / 2598 6110 Fax: +91-22-2541 0420 / 2533 5940 E-mail: sales.mfd@labindia.com

REGIONAL OFFICES:

Delhi: Tel.: +91-11-4330 6001 / 10

Chennai: Tel.: +91-44-2434 7008 / 2432 0352

Kolkatta: Tel.: +91-33-2466 1396 / 2466 3362

BRANCH OFFICES:

Bangalore: Tel.: +91-80-2323 0919 / 20 / 21

Tiruvanthapuram: Tel.: +91-471-2324 064 / 2320 082

Chandigarh: Tel.: +91-172-4090 001-07 / 4090 009

Lucknow: Tel.: +91-522-2346 535 / 2346 496

Vadodara: Tel.: +91-265-2986 005 / 2986 006

Hyderabad: Tel.: +91-40-4444 3456

Pune: Tel.: +91-20-2545 3386

FACTORY: Plot No. EL-72, Electronic Zone, TTC Industrial Area, Thane Belapur Road, Navi Mumbai - 400 705.

Tel.: +91-22-2762 6660 / 61 / 62 / 63 / 6516 3480 / 81 / 6107 6666 Fax: +91-22-27626664 E-mail: lipfactory@vsnl.net

APPLICATION & TRAINING CENTRE: R-909, TTC Industrial Area, Thane Belapur Road, Rabale, Navi Mumbai - 400 701.

Tel.: +91-22-2760 6955 / 6107 6555 Fax: +91-22-2760 6706



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