

PICO⁺ pH Meter



This bench-top pH meter is an ideal help in every laboratory for routine or R&D level measurement. This very handy instrument measures pH, mV and has 40- point data memory storage.

Instrument has two operating modes - (a) Standard mode (b) GLP mode : 40 data readings can be stored, printed & scanned on display.

For GLP mode, additional entries of sample name & ID number can be stored. The optional Data logging function enables user to store; 24 data points consisting of pH, temperature & time readings. For example as required in kinetic study or in any chemical reaction. Time intervals from 1min. to 1Hr. in steps of 1min. are available. User entries of pH limit values make the data more defined & informative.

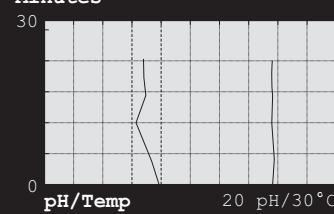
LABINDIA		
***** pH Calibration Report *****		
Version 2.11		
Instrument Sr. No. : LAB-1	15:33:00	06/03/15
Calibration Type : Isopotential		
ATC at : 25		
Entered pH	Measured pH	Temp.
7.000	6.897	25.0
4.000	4.030	25.3
10.000	9.939	25.4
Slope1 of Electrode = 98.97%		
Slope2 of Electrode = 98.02%		
Offset of Electrode = 06.00 mV		
Calibration Date & Time : 06/03/2015 15:32		
Name: _____	Sign: _____	
***** Calibration done on LABINDIA PICO *****		

pH Data Report 11:00:49 06/03/2015
 Sample Name : Buffer No. of Intv. : 6
 ID. No. : 111 pH Limit : (6 - 8)
 Logging Time: 4 min. .

Sr. No	Time	pH	Temp °C
1	11:00	+7.800	23.2
2	11:04	+7.500	23.5
3	11:08	+7.000	23.3
4	11:12	+6.500	23.2
5	11:16	+7.000	23.3
6	11:20	+6.800	23.2

Graphic representation of data along with data table is also available.
 (Refer graph given below).

Minutes



X Axis Scale:
 2.0 pH/div, 3.0 °C/div
Y Axis Scale:
 6.0 Minutes/div

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 :
 - 40 pH and 40 mV readings with temperature in pre-selected GLP or Non-GLP format.
 - 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

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

Output

Parallel port
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
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WHERE COMMITMENT IS CULTURE

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LABINDIA reserve the right to change specification without notice as part of its continuous programme of product development.