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

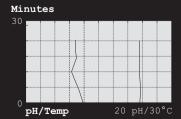
Calibration Date & Time : 06/03/2015 15:32

****** 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	pН	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).



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.
- 20 x 2 line back lighted LCD display.
- · Non- volatile memory storage of:
 - Non-GLP format.
 - b) 24 data memory readings of pH, temperature and time in data logging mode (optional).
- 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.
- 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

Ha

-2.00 to 19.999

Combination pH electrode Auto-calibration and printout of

millivolt

0 to +/- 1999.9 mV

+/- 0.2 mV Relative accuracy

Temperature

0 to 150°C Relative accuracy Auto / Manual

Input

Input Impedance > 10¹²ohms

Output

a)Printer Parallel port b)RS 232C

Keyboard

20 x 2 line back lighted Liquid Crystal **Display**

Electrode diagnosis

Data Storage

Report format

Power requirement

Environmental Operating Conditions

a) Operation

5 to 90% non-condensing **Dimensions**

Weight 2.2 kgs.



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