LABINDIA
ANALYTICAL
WHERE COMMITMENT IS CULTURE

PH/CON METER

P300



Designed for accuracy and ease of use, Labindia Analytical's pH/Conductivity meter ensures reliable results with an intuitive touchscreen interface and advanced data management features. With secure calibration tracking and compliance with industry standards, it is the ideal choice for laboratories seeking precision and efficiency.

FEATURES

5" TOUCH SCREEN
5 inch high quality Capacitive Color Touch Screen Display

IN-BUILT COMPUTER
100 Test Methods with date and time

BASIC CFR COMPLIANT
4 Level Password is incorporated - Admin, Lab Manager, Supervisor, and User

HARDWARE VALIDATION
Validation of hardware with real time status information

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SALIENT FEATURES

- Sleek moulded cabinet with 5" Colour high resolution display touch screen interface & user interactive software.
- Advanced microcontroller-based user-friendly state-of-the-art product design.
- Combined pH and conductivity instrument.
- pH Meter/Conductivity Meter complies to USP and DIN standards.
- Simultaneous measurement of pH, mv & temperature or Conductivity, TDS & Salinity.
- 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.
- Alphanumeric entries of sample name, identification number for authentication.
- Inbuilt stability indicator for reproducible results.
- 3 Different reading lock criteria- Auto, Manual & User defined.
- Factory entered customer name and serial number on report printout for authentication.
- PC based data capturing facility using EDC 21 software.
- Customizable report file.
- Preview reading result data before printing.
- Data backup & restore facility available.
- Error indication on display helps troubleshooting.
- Daily auto incremented reading number.
- Practically unlimited storage of test readings with date and time stamp.
- User selectable temperature coefficient for automatic temperature compensation, through special TEMPCO function.
- Automatic evaluation of cell constant with standard solution.
- Automatic temperature compensation by digital temperature sensor. Range 0° to 125°C.
- 3-point (Isopotential) or 5-point (linear or segmented) calibration protocol with user selectable calibration standard.



SPECIFICATIONS

Control	32-Bit Micro Controller based
Display	5" capacitive touch screen
Common Specifications	
Temperature	
Temperature range	0 to 125°C
Resolution	0.1°C
Relative accuracy	±0.1 °C
Sensor	Digital Temperature Sensor
Temp. Compensation	Automatic / Manual
Printer connectivity	Centronics parallel port for Dot matrix / Desk jet
Serial Interface	RS -232 for PC connectivity for data download
pH Meter Specifications	
pH range	-2.00 to 19.999
Resolution	0.1/0.01/0.001 pH
Relative Accuracy	± 0.002 pH
Slope	User sele ctable between 80% - 120%
Sensor	Combination pH electrode
Calibration	Auto-calibration & printout of calibration Report.
millivolt	
mV range	± 1999.9 mV
Resolution	± 0.1 mV
Relative accuracy	± 0.2 mV
Input	1 BNC, 1 Banana, 1 Digital temperature sensor
Input Impedance	> 10^{12} ohms
Report format:	(a) Report of selected pH & mV reading with temperature. (b) Calibration report (c) Data table & Graph in Data log mode
Conductivity Meter Specifications:	
Conductivity Measuring Range	Auto ranging 0.01µS/cm to 199.9 mS/cm. (Depending on the cell used 0.1 / 1.0 / 10.K)
Resolution	0.01 (displayed)
Accuracy	0.5 %
Input	2 - Banana socket for conductivity electrode, 1 Digital temperature sensor
Report format	(a) Calibration report (b) Report of all selected Conductivity. TDS & Salinity readings
Environmental Operating	(a)Operation: Indoor (b) Temperature: Ambient to 45° C
Conditions	(c)Relative humidity: 20 to 80% non-condensing (d) Altitude : Upto 2000m
Power Requirement	9VDC 1A ±0.1V
Dimensions	244 x 160 x 10 5mm (W x D x H)
Weight	1 kg

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

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