

PICO⁺ Conductivity Meter



LABINDIA offers the perfect choice of a bench -top conductivity meter for measurements in the laboratories - whether routine or at R & D level. The conductivity meter offers better operating comfort and measuring confidence in all areas of application. Due to user selective temperature function, instrument calculates the conductivity at the reference temperature 25 +/- 0.1°C with linear function.

Conductivity is an important factor in water analysis for quality of drinking water, direct ionic concentration measurement in pharmaceutical preparations, waste water treatment plants, pollution control in lakes & rivers, boiler feed water and oceanography to determine salinity and TDS.

LABINDIA
 ***** Conductivity Calibration Report *****
 Version 2.11
 Instrument Sr. No. : LAB-1 16:09:41 13/03/15
 Cell Constant used : 00.100
 Temp. of Std. Soln. : 25.8
 ATC at : 25

Cond.of Std.Soln.	Measured Cond.	Cell Constant
084.000 μ S	85.37 μ S	0.098

Calibration Date & Time : 13/03/2015 16:09
 Name: _____ Sign: _____
 ***** Calibration done on LABINDIA PICO *****

Memory Printout 11:15:25 13/03/2015

KOEHLER PHARMA			Conductivity Report	
No.	ID.No.	Sample Name	Cond.	
Temp			μ	
1	501	KCL 0.0001 N	146.9 μ S	
23.7				
2	502	KCL 0.0001 N	147.0 S	
23.7				

Signature..... Analysis done on LABINDIA PICO

Online Printout 11:15:25 13/03/2015

KOEHLER PHARMA			Conductivity Report	
No.	ID.No.	Sample Name	Cond.	
Temp				

Signature..... Analysis done on LABINDIA PICO

Features

- Advanced micro controller based user-friendly state-of-the-art design.
- Complies with 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.
- Measurement Modes: Conductivity, TDS, Salinity (optional) and temperature.
- Simultaneous measurement of conductivity and temperature.
- Non-volatile memory storage of conductivity, TDS and salinity - 40 readings each with temperature in pre-selected GLP or Non-GLP format.
- Password protection for calibration data and stored readings.
- Calibration data with date stamp for authentication.
- Calibration reminder alarm.
- Alphanumeric entries of sample name, identification number for authentication.
- Automatic Range selection for faster measurement from 0.01µS to 199.9mS with conductivity cells having constants 0.1, 1.0 and 10 K.
- Automatic evaluation of CELL constant with standard solution.
- User selectable temperature coefficient for automatic temperature compensation, through special TEMPCO key.
- 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 printouts for authentication.
- Error indication helps 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

Typical Specifications

Conductivity Measuring Range	Autoranging 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%
Temperature	
Temperature Range	0 to 150°C
Resolution	0.1°C
Relative accuracy	+/- 0.2°C
Sensor	RTD Pt100
Temp. compensation	Automatic / Manual
Display	20 x 2 line back lighted LCD display
Keyboard	Alphanumeric splash waterproof polyester soft keys
Report format	(a) Calibration report (b) Report of all selected Conductivity, TDS and Salinity readings
Input	2 - Banana socket for conductivity electrode, 1-ATC-PT100
Output	
a) Printer	Parallel Port
b) RS 232C	PC connectivity
Environmental Operating Conditions	
a) Operation	Indoor
b) Temperature	Ambient to 45°C
c) Relative humidity	5 to 90% non-condensing.
Power Requirement	230 Vac, +_10% / 50Hz., 10 W
Dimensions	305 x 220 x 70mm (W x D x H)
Weight	2.2 kgs

LABINDIA
ANALYTICAL
WHERE COMMITMENT IS CULTURE

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Striving to become the best individuals, we endeavour to foster the best team. Performing sensibly, we try to achieve the best efficiency. Working innovatively, we seek to make the best products. Listening patiently, we excel to offer the best service. So, no matter what you needs are, come to us, GET THE BEST

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