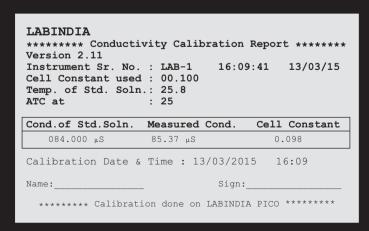# PICO⁺ Conductivity Meter

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 µS	85.37 µS	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         146.9µ 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
```

LABINDIA
A N A L Y T I C A L
WHERE COMMITMENT IS CULTURE

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
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WHERE COMMITMENT IS CULTURE

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

Labindia Analytical Instruments Pvt. Ltd.

Intangible Ads 98330 28595   04.2015