

Tab Conductivity Meter

(EC/TDS/Resistivity/Salinity Meter)



MODEL: EC-ComPass

DESCRIPTION

TOPLAB INDIA'S Microprocessor based Tab Conductivity Meter Model **EC-ComPass** is best choice for any laboratory or field operator/user for advanced EC/TDS/Resistivity/Salinity/Temperature measurement. Calibration is fast, easy and accurate with auto-calibration using built-in Auto buffer – recognition and automatically calculated and displayed electrode slope value, with dual selective Temperature Compensation of ATC & MTC.

TOPLAB INDIA'S **EC-ComPass** Tab EC Meter is a great tool for any laboratory operator and field user, which is one of the most accurate digital EC/TDS meters available in the market.

EC-ComPass has the function of ATC (Automatic Temperature Compensation) and MTC (Manual Temperature Compensation), and is suitable to measure the Electrical Conductivity of solutions. Furthermore, if it is equipped with an appropriate TDS /Resistivity/Salinity probe, it also can be used to measure the TDS/Resistivity/Salinity of solution.

Features:

- **EC-ComPass** has large Five inch LCD screen with wide 150° viewing angle, beautiful and compact design.
- Compact bench and wall cradle with rotary electrode holder to save space in laboratory.
- **EC-ComPass** is Small Tablet size and portable making it easy to carry and remove in laboratory and outdoors uses.
- **Multi-Parameter:** different electrodes can be installed quickly to test Conductivity and TDS.
- **Temperature Compensation:** ATC/MTC (Automatic/Manual)
- Auto recognition of different electrodes which can automatically store and retrieve calibration data with built-in chip after electrode is connected.
- 3.5 mm jack input for electrodes makes it very easy for electrode connection.
- Two USB interfaces for PC connection, power and data transfer.
- Can store 300 data logs including readings, GLP data, date and time.
- Rechargeable and long lasting battery. Auto shut off if there is no operation in ten minutes.

SPECIFICATION

Model: **EC-ComPass**

A. Measurement range:

- Conductivity: (0.00 ~ 20.00) $\mu\text{S}/\text{cm}$
(20.0 ~ 200.0) $\mu\text{S}/\text{cm}$, (200 ~ 2000) $\mu\text{S}/\text{cm}$,
(2.00 ~ 20.00) mS/cm , (20.0 ~ 200.0) mS/cm .
- Resistivity: (0 ~ 100) $\text{M}\Omega\cdot\text{cm}$
- TDS: (0 ~ 100) g/L
- Salinity: (0 ~ 100) ppt
- Temp: 0°C ~ 100°C

B. Accuracy:

- EC: $\pm 1.0\%$ FS; Instrument: $\pm 1.50\%$ FS
- Temp: 0.4°C (± 1 digit)

C. Resolution:

- EC: 0.01/0.1/1 $\mu\text{S}/\text{cm}$; 0.01/0.1 mS/cm
- Temp: 0.1°C

D. Stability: $\pm 0.01\text{pH}$ (± 1 digit /3h)

E. Temperature compensation: 0°C ~ 100°C (ATC or MTC)

F. EC Calibration Points: 1 or 2 Point Calibration (84 $\mu\text{S}/\text{cm}$, 1413 $\mu\text{S}/\text{cm}$, 12.88 mS/cm).

G. EC Electrode constant: 0.1/1/10 cm^{-1}

H. Power source: DC5V/1A Power Adaptor cum Charger

I. Data Storage: Yes, 300 Sets

J. Communication interface: Micro USB and standard USB

K. Protection: IP54 (Water-proof, Splash-proof and dust-proof)

L. Working Temperature & Humidity: 5°C ~ 35°C / $\leq 85\% \text{RH}$

M. Dimensions & Weight: 190*130*32mm/280g