

Tab Dissolved Oxygen Meter



MODEL: DO-ComPass

DESCRIPTION

TOPLAB INDIA'S Microprocessor based Tab DO Meter Model **DO-ComPass** is best choice for any laboratory or field operator/user for advanced DO 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 **DO-ComPass** Tab Dissolved Oxygen Meter with polarographic DO probe with replaceable PTFE membrane caps is a great tool for any laboratory operator and field user, which is one of the most accurate digital DO meters available in the market.

DO-ComPass has the function of ATC (Automatic Temperature Compensation) and MTC (Manual Temperature Compensation), and is suitable to measure the DO & temperature value of solutions. DO probe has an integrated temperature sensor incorporated into the thin plastic body for ATC of dissolved oxygen measurements. The DO probe uses screw on replaceable caps with a PTFE (Polytetrafluoroethylene) membrane that is easily replaced in the field as well in the lab.

Features:

- **DO-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.
- **DO-ComPass** is Small Tablet size and portable making it easy to carry and remove in laboratory and outdoors uses.
- 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: **DO-ComPass**

A. Measurement range:

- DO Range: 0.00 ~ 90 mg/L (ppm)
- DO Saturation: 0.0~600%
- Temp: 0°C ~ 100°C

B. Accuracy:

- DO: ±0.5%
- DO Saturation: ±2.0%FS
- Temp: 0.4°C (±1 digit)

C. Resolution:

- DO: 0.01/0.1mg/L
- Temp: 0.1°C

D. Stability: ±0.07 mg/L/h

E. Temperature compensation: 0°C ~ 50°C (ATC)

F. Salinity Compensation Range: 0.0 ~ 50.0 g/L

G. Air pressure Compensation Range: 80 ~ 105 kPa (automatic)

H. Pressure Resolution: 1kPa

I. Pressure Accuracy: ±2%

J. Response Time: ≤30 Sec (25°C, 90% response)

K. DO Calibration Points: One or Two points at 0%(Zero DO Solution) & 100% (in air)

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

M. Battery Type/Life: Up to 8 hrs of continuous use (Built-in rechargeable battery)

N. Data Storage: Yes, 300 Sets

O. Communication interface: Micro USB and standard USB

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

Q. Working Temperature & Humidity: 5°C ~ 35°C / ≤85%RH

R. Dimensions & Weight: 190*130*18mm/310g