

NATIONAL CENTRE FOR SUSTAINABLE COASTAL MANAGEMENT
Ministry of Environment and Forests (MoEF)
Koodal Building, Anna University Campus
Chennai - 600025

Technical Specifications for portable single- pH, conductivity, LDO meter (Quantity required -2Nos)

Plug and Play with IntelliCAL(TM) probes - pH, conductivity, LDO,

- single meter to measure either pH, Conductivity, or LDO interchangeably
- Quick and easy swapping of parameter/probe without re-calibration
- Password-protected data for accurate, tamper proof reporting
- 500-point event log stores measurements, calibrations and check standards

OVERVIEW :

Digital Multi-Parameter Meter offers true Plug and Play operation with IntelliCAL pH, conductivity, and dissolved oxygen (LDO) probes. Plug in any one IntelliCAL probe and get rapid measurement! "Smart" meters store probe serial numbers, calibration history, user ID, time, date and location of readings.

All data (up to 500 data points) can be accessed using a simple menu-driven interface with intuitive icons.

SPECIFICATIONS :

Power	:	4 AA batteries; Battery life: > 200 hours Optional AC/DC power available
Display	:	Display readings from one probe
Display Languages	:	English,
pH Probes	:	pH, mV, temperature
Conductivity Probes	:	selected parameter, temperature correction, temperature
LDO Probes	:	dissolved oxygen, pressure, temperature
Data Memory	:	500 data points
Data Storage	:	GLP/ISO compliant reading data stored with calibration details. Calibration details and check

standard readings documented as events in log.

measurement mode. Automatically store in "press to read" mode and interval

Manually store in "continuous read" mode.

Temperature Correction/

Compensation : Off, automatic, and manual (correction is parameter dependent)

Display Lock Function : Continuous measurement or "press to read" mode available with averaging measurement function for LDO

Automatic pH Buffer Recognition : Choose from 3 sets:

IUPAC: 1.679, 4.005, 7.000, 10.012

DIN: 1.09, 4.65, 9.23

Water Resistance : Meter Casing: 1 meter submersion for 30 minutes (IP67)

OVERVIEW :

luminescent dissolved oxygen (LDO) probe. The standard version is available with a 3 meter cable and is intended for laboratory use. The LDO101 is ideal for measuring dissolved oxygen in wastewater, drinking water and general water quality applications.

SPECIFICATIONS :

Body Material	:	PC/Abs
Diameter	:	15 mm (D)
Dimensions (D x L)	:	15 mm x 200 mm
DO resolution	:	0.01 mg/L
Interferences	:	Elevation limitation 5000 m (16,400 ft.) maximum
Measuring range	:	0.05 to 20.0 mg/L (0 to 200%)
Special Feature	:	LDO technology.
Temperature accuracy	:	± 0.3 °C (± 0.54 °F)
Temperature Range	:	Continuous Use: 0 to 50 °C
Temperature range: DO	:	Continuous Use: 0 to 50 °C
Temperature resolution	:	0.1 °C
Thermistor	:	(ATC)
Weight	:	0.127 kg