



DECIBEL DYNAMICS

LABORATORY & INDUSTRIAL SOLUTIONS

DB-1073

Dissolved Oxygen (DO) Meter

This Digital Dissolved Oxygen Meter is supplied with a probe with an incorporated Temp. sensor which serves for precise Dissolved Oxygen (DO) and Temp. measurement. Applications for Aquarium, Medical research, Agriculture, Fish hatcheries, Laboratory, Water conditioning, Mining industry, Schools & Colleges, Quality control...

The Pen type intelligent Dissolved Oxygen Analyzer is designed to facilitate the user to carry the operation on the spot. The instrument can be divided into two parts: the sensor and electronic unit. The sensor adopts thin film dissolved oxygen electrode. The electronic unit is an integrated operational amplifier + microcomputer chip with automatic Temperature Compensation function.

SPECIFICATIONS		
Measurement Range DO	0~199.9%	0~16.50mg/L
Temperature	0°C to 50°C	(32°F to 122°F).
Resolution DO	0.1%	0.01mg/L
Resolution Temp.	0.1°C	32.18°F
Accuracy DO	±1.5% F.S	
Accuracy Temp.	±1°C	±33.8°F
Sensor Temp. Compensation	Automatic from 0 to 50°C.	
Residual Current	No more than 0.15mg/L	
Response Time	No more than 15 seconds	
Operating Temp.	0°C to 50°C	(32°F to 122°F).
Power Supply	2 X AAA batteries	
Dimensions	207 X 32 X 36 mm	
Weight	85 Grams	



How To Use :

1. Installing batteries.
2. Connect the DO electrode to the corresponding input.
3. Press ON/OFF key to turn on the machine, take off the electrode protector and insert the electrode into the solution to be tested.
4. Press [% and mg / L] key for % and mg/L display conversion.
5. The dissolved oxygen concentration of the solution (mg/L or %) can only be read after the display of the instrument is stable.
6. Press the '°C/°F' key to switch between Celsius and Fahrenheit.
7. Press the ON/OFF key to turn off the power.

Dissolved Oxygen (DO) Meter

DB-1074 Dissolved Oxygen Meter

This Digital Dissolved Oxygen Meter is supplied with a polarographic type probe with an incorporated Temp. sensor which serves for precise Dissolved Oxygen (DO) and Temp. measurement. Applications for Aquarium, Medical research, Agriculture, Fish hatcheries, Laboratory, Water conditioning, Mining industry, Schools & Colleges,

SPECIFICATIONS	
Display	13 mm LCD, 3 1/2 digits.
Measurement Range	0 to 20.0 ppm / (0 to 20.0 mg/L.)
Resolution	0.1 ppm (0.1 mg/L.)
Accuracy	± 0.4 mg/L. (after calibration within 23°C ± 5°C)
Sensor Temp. Compensation	Automatic from 0 to 40°C .
Panel adj. knob	ZERO knob, CAL knob.
Battery	006P DC 9V battery (heavy duty).
Power Consumption	Approx. DC 3.5 mA.
Operating Temp.	0°C to 50°C (32°F to 122°F).
Operating Humidity	Less than 80% RH.
Dimension	<i>Main instrument :</i> 131 x 70 x 25 mm (5.2 x 2.8 x 1.0 inch).
	<i>Oxygen probe :</i> 190 mm x 28 mm Dia. (7.5" x 1.1" Dia.)
	<i>Probe cable length :</i> 4 meters
Weight	350 g (0.77 LB) - with probe & battery.
Accessories Included	Oxygen probe- 1 Pc., Operation Manual. Carrying case.- 1 Pc. Spare Probe head with Diaphragm- 2 set, Probe-filling Electrolyte,





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Microprocessor based

SALIENT FEATURES:

- 1 or 2 points auto-calibration (100% in saturated air or air saturated water, 0% in zero oxygen solution).
- Automatically compensates salinity and barometric pressure after manual input.
- Selectable readout in ppm, mg/L or % saturation.,
- Selectable temperature units : °C & °F.
- Automatic temperature compensation ensure high accuracy of measurement.
- Automatic endpoint function freeze the stable measured values for easy reading and recording data.
- Calibration due reminder prompts you to calibrate the meter regularly.
- Help message as an operational guide to help you understand how to use meter
- Setup menu lets user customize calibration point, resolution, stability condition of measurements, temperature unit, date / time to meet personal preferences. • Expanded memory stores and recalls up to 500 readings • Built-in -real -time clock stamps stored data to meet GLP standards



SPECIFICATIONS:

Model	DO-1075
Dissolved Oxygen range	0.00~20.00 mg/L or ppm
Resolution	0.1, 0.01 ppm (selectable)
Accuracy	±0.2 mg/L or ppm
Saturation of Oxygen	0.0 ~ 200.0 %
Accuracy	±2.0%
Temperature Range & Accuracy	0.0 ~ 50.0°C & ± 0.5°C
Temperature Compensation	0~50°C, Automatic
Salinity Correction	0 ~ 50g/L
Barometric pressure correction	60.0 ~ 112.5kPa , 450~850 mmHg
Calibration Point	1 or 2 points (100% in air or 0% in zero oxygen solution)
Memory	500 data set with data & time
Power Supply	DC 5V adapter ,using AC 220V / 50HZ
Dimensions L x W x H (mm) & Weight	210 X 188 X 60 & 1.2 kg