

12 DO SENSOR (Dissolved oxygen meter)

DO-30

Cableless Type : 0~20mg/ℓ Measurement



Polarographic electrode method

Polarographic	Cartridge Type Diaphragm Unit	Easy Maintenance
	<p>OX-25Mx2 (one is included in the Meter)</p>	<p>Just only wipe off dirt on the anode/cathode. By replacing diaphragm unit, output will be back to the new one.</p>

Outline

This DO meter, DO-30 unifies Sensor and cableless Meter, and measures DO by taking Sample Water quickly without cable disconnection, etc.

Sensor is Pb Free polarographic Electrode, therefore, Maintenance of Electrode is very easy by replacing Diaphragm unit and Electrolyte.

Maintenance is about one Electrode/year and excellent Polarographic Electrode.

Caution: Frequency of exchange differs according to the operating Condition.

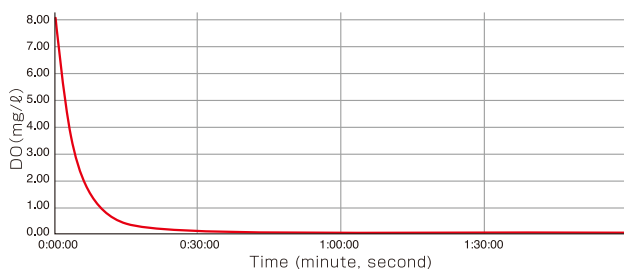


Operational Procedure of DO-30

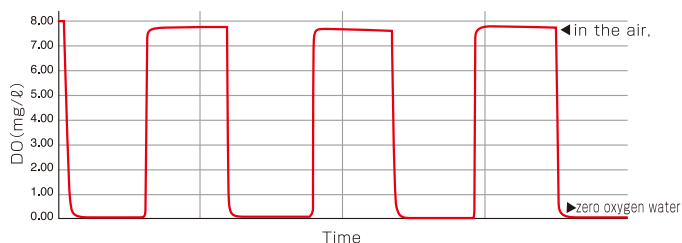
POWER ON ▶ Span Calibration ▶ DO Measurement (DO Mode) ▶ Selection of Measuring Items
It shifts like DO ⇒ O₂ ⇒ °C ⇒ DO ⇒ ...



Response Put DO Sensor into Zero Oxygen Water from the Air.



Accuracy Set DO Meter in the Air ⇒ Zero Oxygen Water ⇒ in the Air



Specifications

Meter

Product Name/Model	DO Sensor DO-30
Measuring Method	Polarography
Measuring Range	DO : 0.0~20.0mg/ℓ O ₂ : 0.0~30.0% O ₂ Temp. : 0.0~50.0°C
Calibration	Air calibration
Accuracy	DO : within ±0.2mg/ℓ O ₂ : within ±0.2% Temp. : within ±0.5°C
Salt Compensation	Sea Water/Fresh Water shift
Temp. Compensation	Automatic
Power Supply	Alkaline Battery LR1×4(DC6V)
Dimensions	48(W)×32(D)×301(H)
Weight	Approx : 300g

Specifications of DO Sensor

Measuring Method	Polarographic Method
Model	OX-2P-30 (Polarographic Electrode : Standard)
Diaphragm Unit	Cartridge Type Diaphragm unit (one/year Exchange, differs according to measuring Condition)
Measuring Condition	Water temp. : 0~40°C Coexisting Ingredient : No organic Solvent Flowing Speed : more than 10cm/sec on the Surface of Diaphragm
Electrode material	Cathode: gold, anode: silver (Pb free)
Standard components	DO-30 (with batteries), diaphragm unit: OX-25M×2 (1 is included in the Meter), Electrolyte: 10mℓ, wiping Cloth: 2, Zero Oxygen Detergent (Sodium Sulfite): 20g, Carrying Case
Optional Accessory	Exclusive Meter

Caution : At the time of DO measurement, more than certain level of flow speed is necessary on the surface of diaphragm, so stir DO meter lightly and measure.