

1 DO METER

DO-10Z

Cartridge Type DO Sensor

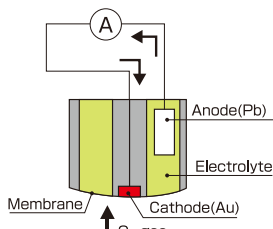


*OXNIT® is the KASAHARA's registered trademark.

Cartridge Type DO Sensor

OXNIT®:OX-V

We have realized the long life DO Sensor which has the Minimum cathode (gold electrode) and less reaction against galvanic cell. High sensitive Sensor with less influenced by flow speed.



- Sensor cartridge is easily replaced and maintained
- With shift switch of Sea water/Fresh water
- Water-proof Make up (IP67)
- With Back Light
- With Memory function

Sensor Life Display

Sensor output and sensor life is displayed and shows when to change

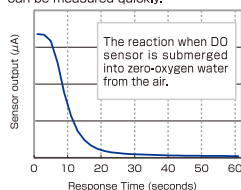
Normal	Normal	Usable	Deteriorated
		*Prepare for sensor change.	*Sensor change is necessary.

- Quick response,

With little flow speed, Measurement is OK.

90% response within 15 seconds, As cathode (Au) is Minimum, measurement is OK with little flow speed.

90% response within 15 seconds, DO can be measured quickly.



Specifications

Meter

Product Name/Model	DO meter : DO-10Z
Measuring Method	DO : Galvanic cell method (DO : dissolved oxygen) O ₂ : Galvanic cell method (O ₂ : oxygen in the air) Temp. : semi-conductor thermal sensor
Measuring Range	DO : 0.00 ~ 30.00mg/ℓ O ₂ : 0.0~30.0% Temp. : 0.0~50.0℃
Resolution	DO : 0.01mg/ℓ O ₂ : 0.1% Temp. : 0.1℃
Accuracy	DO : within ±0.02mg/ℓ O ₂ : within ±0.2% Temp. : within ±0.5℃
Response	Within 15 seconds (90% response / 20℃)
Display	LCD digital DO/O ₂ : LCD 4 digits (upper site) Temperature : LCD 3 digits (lower site) Memory : LCD 2 digits
Salt Compensation	Fresh water / sea water shift
Sensor Life	Indicates sensor life by output condition display
Calibration	Automatic air calibration
Data Memory	Max. 30 data
Power Supply	DC4.5V(LR03 battery×3) Auto power off system(30min.)
Outer Dimensions	70(W)×170(D) ×36(H)mm
Weight	Approx. 290g

DO probe / DO sensor

Product Name/Model	DO probe : OX-2VP DO sensor : OXNIT OX-V
Measuring Method	DO : Galvanic cell method (DO : dissolved oxygen) O ₂ : Galvanic cell method (O ₂ : oxygen in the air) Temp. : semi-conductor thermal sensor
Cable Length	3m standard
Temp. of Sample Liquid	0 ~ 45℃
Outer Dimensions	DO probe : φ29×177mm DO sensor : φ20×49mm
Weight	DO probe : approx.340g DO sensor : approx.20g
Materials	DO probe : PF resin, ABS, C3640, IIR rubber DO sensor : ABS, C2680, Fluorine resin film, PP, Silicone, Rubber

Standard Components

DO Meter, Alkaline battery : LR03×3(Already set in the meter body)
DO Probe : OX-2VP(Cable length : 3m), Plastic cover, Carrying case, Strap
DO Sensor : OXNIT OX-V(Already set in DO probe OX-2VP)