



## DO Sensor

M e m b r a n e   T y p e



### In A Glance...

Leadtec DO sensor is membrane based and uses polarographic technology to determine dissolved oxygen levels. The sensor is comprised of double-electrode cell, with a cathode and an anode, joined by the electrolyte and separated from the sample by a permeable membrane.

The sensor generates a potential, mV, related to the dissolved oxygen in contact with membrane. It provides low cost solution for the dissolved oxygen measurement typically in the aeration tank and in the aquaculture ponds.

### Specifications

Measuring Principle	Polarographic Technology
Measuring Range	40 ppb – 40.00 ppm
Polarization Voltage	-670 ± 50mV
Current In Air At 25°C	40 – 80 nA
Temperature Compensation	NTC22K
Operating Temperature	0 – 60°C
Response Time (T <sub>95%</sub> )	90 seconds at 25°C
Maximum Pressure	5 bar
Minimum Flowrate	0.02 m/s
Material	Stainless Steel
Thread	PG 13.5
Dimension	Diameter : 12 mm Length : 145 mm

### Applications



Power Industry



Boiler Water

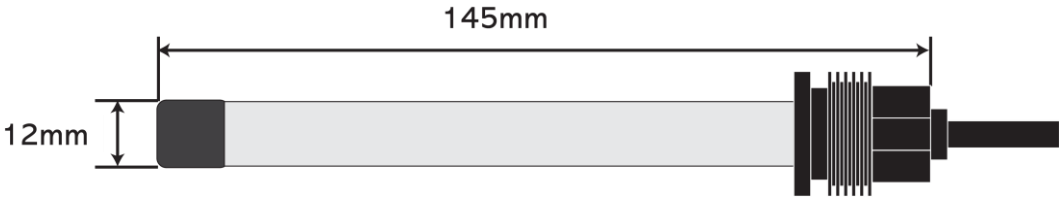


Wastewater



Aquaculture

# Dimensions



Design outlook subjected to change without prior notice.

Dimensions of Polarographic DO Sensor.

# Order Code

## Polarographic DO Sensor

Part No.	Description
C-D103-ED5-S05FF	<p>Dissolved Oxygen Polarographic SS316L sensor with built-in temperature NTC22K, 5m cable length.</p> <ul style="list-style-type: none"><li>• Measuring range : 40 ppb – 40 ppm</li><li>• Operating temperature : 0 – 60°C</li><li>• Operating pressure : 0 – 5 bar</li></ul> <p><i>Remarks: Other cable lengths are available upon request.</i></p>

## Polarographic DO Sensor Accessories

Part No.	Description
C-D103-ET	Dissolved Oxygen Electrolyte 50 mL for C-D103 & C-D303.
C-D103-HEAD	Dissolved Oxygen Membrane Cap for C-D103.