

# SE WATER AND AIR PRIVATE LIMITED



Water & Air

## OPTOD : OPTICAL DISSOLVED OXYGEN

DATASHEET



NEW : exist  
in Titanium version

### APPLICATIONS

- ◆ Urban waste water treatment
- ◆ Industrial effluent treatment
- ◆ Surface Water monitoring
- ◆ Sea Water monitoring, fish farming, aquarium
- ◆ Drinking Water

### OPTICAL TECHNOLOGY

The OPTOD (Optical Dissolved Oxygen technology) is based on luminescent optical technology. The OPTOD sensor is approved by the ASTM International Method D888-05

Without calibration requirements and thanks to an ultra low power technology the OPTOD sensor meets the demands of field works and short or long term campaigns.

Without oxygen consumption, this technology allows you an accurate measure in all situation and especially in very low oxygen concentrations

### DIGITAL TECHNOLOGY

The “smart” OPTOD sensor stores calibration and history data within the sensor. This allows you a “plug and play” system without re-calibration.

Thanks to the Universal Modbus RS485 protocol, the SE OPTOD can be connected to all devices commonly used (Data logger, Controller, Automat, Remote System...).

## TECHNICAL CHARACTERISTICS

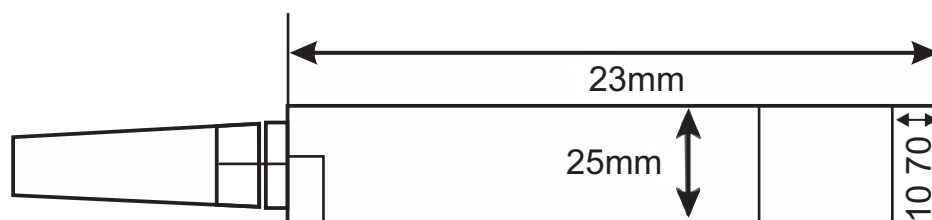
### Measures

Measure principle	Optical measure by luminescence
Measure ranges	0.00 to 20,00 mg/L 0.00 to 20,00 ppm 0-200%
Resolution	0.01
Accuracy	+/-0.1mg/L +/-0.1 ppm +/-1 %
Response time	90%of the value in less than 60 seconds
Frequency of recommended measure	> 5 s
Water move	No necessary move
Temperature compensation	Via NTC
Stocking temperature	-10°C to + 60°C

### Sensor

Dimensions	Diameter : 25 mm ; Length : 123 mm
Weight	Stainless steel version 450g(sensor +cable 3 m) Titanium version 300 g(sensor +cable 3m)
Material	Stainless steel 316L, <b>New : body In Titanium</b>
Maximum pressure	5 bars
Connection	9 armoured connectors, polyurethane jacket, barewires or waterproof Fisher connector
Protecion	IP68

### DIMENSIONS (in mm)



## SE WATER AND AIR PRIVATE LIMITED

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