



DETM DYNAMIC
Process Equipment

Dissolved Oxygen Optical Sensor
AquaSense DO-O

Dissolved Oxygen Sensor – Optical

AquaSense DO-O



The AquaSense DO-O is an optical sensor type PSt3 and electro-optical module in one probe. The sensor has a maximum measurement range of 0 - 100 % O₂, and a detection limit of 0.03 % O₂. These probes are waterproof and can be submerged completely so they are ideally suited for e. g. environmental research applications, aquaculture, and measurements in sewage.

Applications

- Industrial process, Water / Waste water treatment
- Effluent treatment
- Aeration tanks

Features

- Maximum measurement range of 0 - 100 % O₂, detection limit 0.03 % O₂
- Waterproof
- Communication via RS485 Modbus RTU

Specification:

AquaSense DO-O : Optical Dissolved Oxygen Sensor		
Application		Waste water, Effluent Treatment Processes
Type		Optical sensor type PSt3 and electro-optical module in one probe
O₂ Range	Concentration	0.0 to 45.0 mg/l
	Saturation	0 to 100%
Temperature Sensor		NTC
Process Range	Temperature	0 to 70 °C (Max)
	Pressure	3 Bar
Response Time		< 30 s
Cable Connector		Integrated 10M Cable
Dimensions	Diameter	12 mm
	Length	106 mm

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SmartDip 405M is a retractable electrode housing with pneumatically operated drive Unit. This metal body model can be implemented in harsh chemical applications through flan...



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SmartDip 405P

SmartDip 405P is a retractable electrode housing with pneumatically operated drive Unit. This plastic body model can be implemented in harsh chemical applications through flan...



SmartDip 250M

SmartDip 250M is a manually operated Retractable electrode housing with long immersion lengths and ball valve for isolation. It can fit 120mm long Sensor.



SmartDip 420M

SmartDip 420M is a compact retractable electrode housing with pneumatically operated drive Unit. This metal body model can be implemented in different chemical applicatio...



SmartDip 240M

SmartDip 240M is a compact retractable electrode housing. This version can fit 120mm long sensor. It comes with 1" NPT, Triclover connection.



SmartDip 450M

SmartDip 450M is a pneumatically operated retractable electrode housing with long immersion length and isolation ball valve. This unique model can fit 120mm long sensor.

