

## Sensor for the measurement of dissolved oxygen in water treatment technology

### Swansensor OXYSAFE

Precise oxygen measuring cell with integrated temperature measuring.

Automatic monitoring of diaphragm integrity and electrolyte exhaust.

Easy calibration, excellent life time (up to 2 years of operation between refilling in activated sludge tank).

Easy and fast exchange of diaphragm and electrolyte.

No exposed metallic surfaces, no corrosion in saline measuring media.

High electric reliability. No integrated electronics.

#### Technical data:

Clark oxygen sensor

Cathode gold, anode silver

Zero current-free electrode system

Measuring range: 0 – 20.0 ppm O<sub>2</sub> (15 °C)  
or 0 - 200% saturation

Accuracy:

0.3 % if calibration temperature = measuring temperature  
1.5 % at ± 10 °C deviation to calibration temperature

Max. pressure: 3 bar (42 psi)

Operating temperature: max. 50 °C

Material: polyacetal copolymer

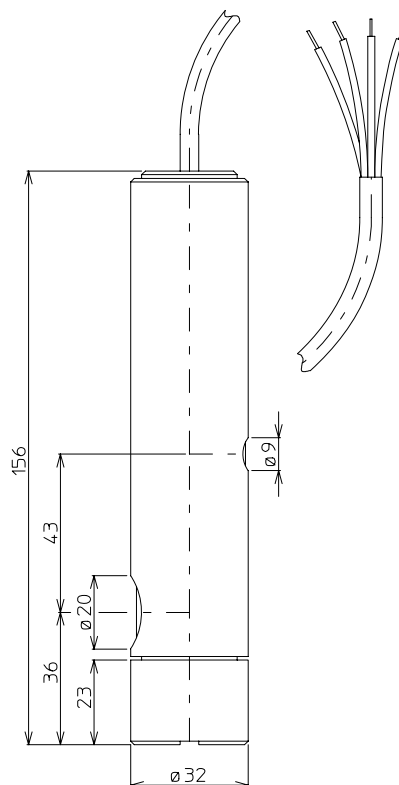
Protection: IP 68

Weight: 350 g

Robust 45 µm (2 mil) fluoropolymer diaphragm

Response time:  $t_{90} < 180$  seconds

Minimal flow: 0.5 cm/s



#### Delivery includes:

Sensor with cable (sleeves), 1 diaphragm and 50 ml electrolyte.

Order scheme	Swansensor Oxysafe	A-87.230.0		1
Cable length:	5 m.....		↑	5
	15 m.....			7
Accessories:				
A-87.290.020	Sensor tip Oxysafe			
A-87.239.010	Replacement set for Swansensor Oxysafe (50 ml filling solution, 2 spare membranes and O-ring)			
A-87.290.040	Replacement set for Swansensor Oxysafe (3 pressure compensation membranes)			