



Oxygens Amperometric dissolved oxygen sensor, 5 m fixed cable

Product #:

LZY078

AED Price:

Contact Hach

Dissolved Oxygen Sensors for immersion and in-line applications

For wastewater and ATEX certification

Measurement of oxygen traces (10 µg/l–40 mg/l)

For use in ultra-pure water, process water and wastewater

Mounting in flow, immersion and retractable fitting with Pg13.5 threads

Suitable for use at high temperatures

With integrated NTC for temperature compensation

Specifications

Cable connection:	5 m fixed and sealed cable
Certifications:	II 1/2G EEx ia II C T4/T5/T6; EC type examination certificate: TÜV 03 ATEX 7005X; ATEX certification: CE0035
Diameter:	12 mm
Drift:	< 2 % per week at 25°C and constant conditions
Enclosure waterproof rating:	IP68
Flow:	≥ 0.03 m/s
Gasket:	Silicone, NBR O-ring
Length:	120 mm
Max. CO ₂ partial pressure:	0.01 bar
Measuring range:	40 µg/L - 40 mg/L
Membrane:	OPTIFLOW
Operating temperature range:	0 - 60 °C
Oxygen consumption:	20 ng/h at 25 °C (in air)
Polarization time:	< 2 hours
Polarization voltage:	-670 ± 50 mV

Pressure compensation:	not required
Pressure range:	0 - 4 bar
Response time:	Max. 60 s at 25 °C (from air to nitrogen)
Sensor thread:	Pg 13.5 thread
Storage conditions:	-10 °C - 60 °C
Temperature sensor:	22 kΩ NTC integrated
Warranty:	6 months