



Orbisphere Dissolved Oxygen sensor for ultra-pure water, VP connector

Product #: LZY072
AED Price: Contact Hach

Dissolved Oxygen Sensors for immersion and in-line applications

with ATEX certification

Measurement of oxygen traces (1 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

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| Cable connection: | VP plug connector |
| Diameter: | 12 mm |
| Drift: | < 1 % per week at 25°C and constant conditions |
| EEx certificate: | II 1/2G EEx ia II C T4/T5/T6 EC; type examination certificate: TÜV 03 ATEX 7005X; ATEX certification: CE0035 |
| Enclosure waterproof rating: | IP68 |
| Flow: | ≥ 0.1 m/s |
| Length: | 120 mm |
| Material: | Gasket: Silicone, EPDM with FDA approval |
| Measuring principle: | Amperometric 2-electrode DO sensor |
| Measuring range: | 1 µg/L - 40 mg/L |
| Membrane: | OPTIFLOW |
| Oxygen consumption: | 100 ng/h at 25 °C in air |
| Polarization time: | < 2 hours |
| Polarization voltage: | -670 ± 50 mV |

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|---------------------|--------------------------------------|
| Pressure range: | 0 - 4 bar |
| Response time: | < 60 s at 25 °C from air to Nitrogen |
| Sensor thread: | Pg 13.5 |
| Storage conditions: | -10 °C - 60 °C |
| Temperature range: | 0 - 130 °C |
| Temperature sensor: | 22 kΩ NTC integrated |
| Warranty: | 6 months |