

9165S LDO Smart Sensor

Compact, Accurate Oxygen Monitoring with
Waltron's 9165S Smart Sensor Technology

The Waltron 9165S LDO Smart Sensor delivers precise oxygen monitoring in a compact form. Utilizing advanced luminescent technology, it ensures accurate, maintenance-free dissolved oxygen measurements with exceptional long-term stability. Backed by Waltron's strong U.S. support, the 9165S integrates seamlessly into diverse water analysis systems, offering reliable, efficient performance.



Key Features

- Connects with any 4-20 mA display
- No sensor maintenance (no membrane, no electrolyte)
- No calibration or scheduled service for 1-3 years
- Four factory pre-configured measurement ranges: 0-200 ppb, 0-2000 ppb, 0-20 ppm, and 0-45 ppm
- Extremely fast response time, 30 seconds (preset)
- No sample interferences*
- Excellent results independent of sample flow rate
- Simple operation
- Rugged and compact design
- Up to four sample streams on one electronics platform



Get in Touch

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Specifications

Parameter: Dissolved Oxygen Sensor

Technology: Luminescent (Optical)

Range(s): 0-200 ppb, 0-2000 ppb, 0-20 ppm, 0-45ppm (sensor dependent)

Accuracy: ± 0.5 ppb at 1ppb or $\pm 2\%$ of displayed value (whichever is greater)

Sample Streams: 1

Cycle Time: $t_{90} < 30$ sec

Calibration Frequency: Continuous

Analog Outputs: (1) 4-20mA current output

Calibration Method: Exchange

Ambient Conditions: 0-55°C (32-131°F)

Sample Temperature: 0-70°C (32-158°F); 130°C (265°F) high-temperature CIP version available

Sample Flow/Pressure: Max 10bar (145psig)

Mechanical

Power: 12-24 VDC, 1.5W ; optional 110-240 VAC adapter cable

IP Rating: IP 67

Dimensions: 280x127x135mm (11x5x5.3")

Weight: 2.2kg (5lbs)

Mounting: Wall bracket or inline

Materials: Stainless Steel, Acetal

Sample Connection: .635cm (1/4") OD Swagelok

Maintenance Cycle: Annual zero; biannual sensor spot replacement

