

9165 Luminescent Dissolved Oxygen Analyzer

Reliable Oxygen Analysis with Waltron's 9165 LDO Analyzer for Precise Monitoring

The Waltron 9165 Luminescent Dissolved Oxygen Analyzer combines the highest quality optical technology with superior support for precise oxygen monitoring. Offering minimal maintenance and long-term stability, it ensures accurate readings at sub-ppb levels. Ideal for critical water analysis, the 9165 delivers reliable performance across various industries.



Key Features

- No sensor maintenance (no membrane, no electrolyte)
- No calibration for up to 2 years
- Extremely fast response time with minimal flow requirements
- No sample interferences in normal conditions
- Independent configuration of ranges, alarms, and reading outputs
- One month of internal data logging, USB download
- Simple system setup with bright touchscreen HMI
- Rugged and compact design
- Plug-and-play addition of multiple sensors
- Up to four sample streams on one electronics platform



Get in Touch

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Specifications

Parameter: Dissolved Oxygen

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 to 4

Cycle Time: Variable

Analog Outputs: 4 outputs available as 4-20mA, 0-20 mA, 2-10 V, or 0-10 V

Calibration Method: Two-Point

Calibration Frequency: Continuous

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: 100-250 VAC, 50-60 Hz, 24 VDC Option Available

IP Rating: IP 67

Dimensions: 280x127x135mm (11"x5"x5.3")

Weight: 7.6kg (16.7lbs)

Mounting: Panel/Wall

Materials: Stainless Steel, Acetal

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

Maintenance Cycle: Two -year calibration recommended; sensor spot replacement dependent pm pulse count from sensor.

