

Luminescent Dissolved Oxygen Analyzer

Advanced Oxygen Analysis with Waltron's 9165 Analyzer for Precise Monitoring

The Waltron 9165 Luminescent Dissolved Oxygen Analyzer combines innovative optical technology with superior U.S.-backed 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
- Independent configuration of ranges, alarms, and reading outputs
- One month of internal data logging, USB download
- Simple system setup
- 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:

±0.5ppb at 1ppb or ±2% of displayed value
(whichever is greater)

Sample Streams:

1 to 4

Response Time:

Variable

Cycle Time:

Continuous

Analog Outputs:

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

Alarms:

(4) NC or NO, General, low or high O2 and/or
Temperature

Calibration Method:

Two-Point

Calibration Frequency:

1-2 Years

Ambient Conditions:

0-130°F / -20-55°C

Sample Temperature:

32-158°F / 0-70°C; 265°F / 130°C high-temperature

CIP version available

Sample Flow/Pressure:

Max 145psig (10bar)

Mechanical

Power:

100-250 VAC, 50-60 Hz, 24 VDC

IP Rating:

Sensor: IP67, Transmitter: IP65

Dimensions:

11x5x5.3 (280x127x135mm)

Weight:

16.7lbs / 7.6kg

Mounting:

Panel/Wall

Materials:

Stainless Steel, Acetal

Sample Connection:

1/4 OD SS Tubing (Swagelok)

Maintenance Cycle:

Annual or biannual calibration;
biannual sensor spot replacement

