

9165 DISSOLVED OXYGEN ANALYZER

The 9165 Luminescent Dissolved Oxygen Analyzer utilizes intuitive touchscreen control to provide reliable luminescent technology for measuring dissolved oxygen in water at ppb levels.

Luminescent technology features superior benefits and cost savings compared to traditional dissolved oxygen sensing technologies. The 9165 provides high accuracy and long-term stability on a new, easy to use platform. The 9165 Dissolved Oxygen Analyzer can be used in a variety of online analysis applications throughout many different industries.

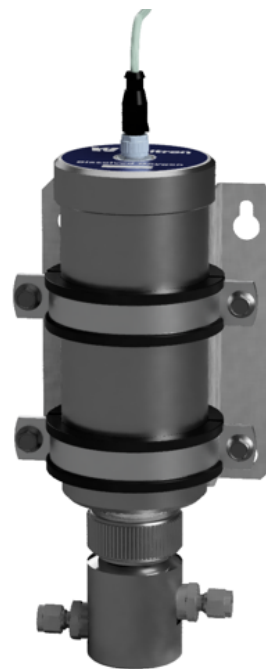
FEATURES

- Full touchscreen control with sample point labeling
- Up to four sample streams on one electronics platform
- Simple system setup
- Independent configuration of ranges, alarms, and reading outputs
- One month of internal data logging, USB download
- No calibration up to 2 years
- No sensor maintenance (no membrane, no electrolyte)
- Plug and play addition of multiple sensors
- Rugged and compact design
- No sample interferences (Hydrazine, Morpholine, Ammonia, Ethanolamine)
- Extremely fast response time with minimal flow requirements (< 100cc / min)
- Dynamic sampling rates

See reverse side for specifications.



Transmitter (4 Channel Option Shown)



9165 Sensor

9165 DISSOLVED OXYGEN ANALYZER | GENERAL SPECIFICATIONS

PERFORMANCE

Range	0-2000 ppb, 0-45 ppm (Sensor dependent)
Accuracy	+/- 0.5ppb at 1ppb / 2% of the measured value
Sample Rate	10s - 999s or dynamic sampling based on % change of reading
Units	ppb, ppm, %O ₂
Analog Outputs	4 outputs available as 4-20mA, 0-20 mA, 2-10 V, or 0-10 V
Power	100-250 VAC. 50-60 Hz, 24 VDC (Future Option)
Alarms	(4)NC or NO, General, low or high O ₂ and/or Temperature
Resolution	0.1 ppb
Memory	One month of internal memory, USB downloadable

SAMPLE DELIVERY OPERATING CONDITIONS

Ambient Temperature	32 - 131°F (0 - 55°C)
Sample Medium	Liquid
Sample Temperature	32 - 131°F (0 - 55°C)
Sample Pressure	Maximum of 145 psig (10 bar)
Sample Interferences	None
Sample Connection	1/4" OD SS Tubing (Swagelok)

MECHANICAL

Construction / Finish	Stainless Steel / Corrosion Resistant Plastic
Materials in Contact w/ Sample	Stainless Steel, Acetal
Dimensions	Sensor: Height = 11" (280 mm), Width = 5" (127 mm), Depth = 5.3" (135 mm)
Mounting	Wall mount or panel mount for transmitter
Weight	1.8 kg Transmitter, 4.0 kg Sensor
Degree of Protection	IP 67 Connections, IP 65 electronics transmitter
Distance	10 ft (3m), 16 ft (5m), or 32 ft (10m) sensor cables available

105-055-A.1



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