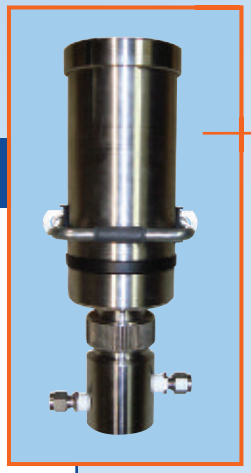
Waltron®
Over 100 Years of Excellence

NEW AQUALYZER® 9065 SERIES
Luminescent Dissolved Oxygen Analyzer
Aqualyzer® 9065

The Waltron 9065 Dissolved Oxygen Analyzer utilizes new luminescent technology for measuring dissolved oxygen in water at ppb levels.

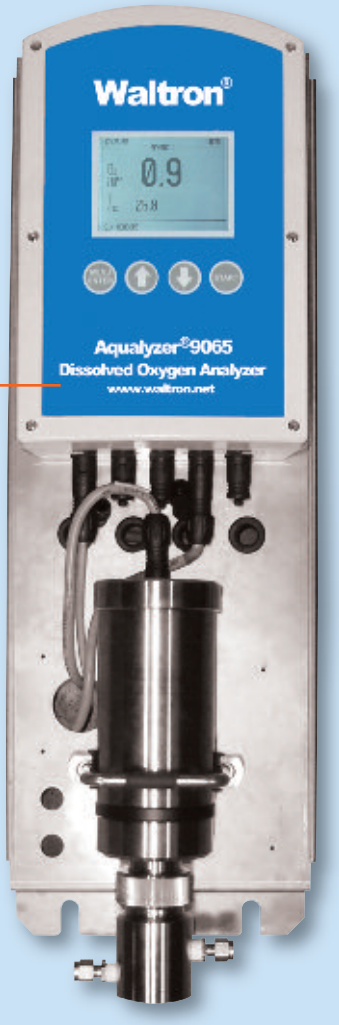
Luminescent Dissolved Oxygen Technology

Luminescent technology has unique features and benefits compared to traditional dissolved oxygen sensing technologies. The 9065 provides high accuracy with excellent long-term stability. The 9065 Dissolved Oxygen Analyzer can be used in a variety of online analysis applications throughout many different industries.


DO Sensor

FEATURES

- Analysis range: 0.10ppb – 2000ppb (others on request)
- No calibration for up to 2 years
- Extremely fast response time
- No sample interference
- Excellent results independent of sample flow rate
- Use in liquid and gas applications
- High temperature alarm
- Graphical analysis for trending
- Multiple sensor configuration



Combined Transmitter and DO Sensor

BENEFITS

- No sensor maintenance (no membrane, no electrolyte)
- Simple operation
- Compact design

GENERAL SPECIFICATIONS

PERFORMANCE

Range:	0.10ppb – 2000ppb (other ranges available on request)
Accuracy:	+/- (1ppb + 2% of the measured value)
Response Time:	t90 (90%) < 15 sec
Units:	ppb, ppm, µg/L, mg/L, % O2, % a.s
Current Outputs:	Two configurable 4-20mA current (analog) outputs
Digital Outputs:	Communication interface using RS-232 and RS-485
Alarms:	General Alarm, Temperature Alarm, Two Concentration Alarms
Calibration:	One-point or two-point calibration
Power:	90 – 240 VAC ~ 50 – 60 Hz, 25 W
CE Certification (on request):	Meets low voltage and low electromagnetic compatibility directives
Options:	Profibus; multiple sensor configuration; certificate of measurement

OPERATING CONDITIONS

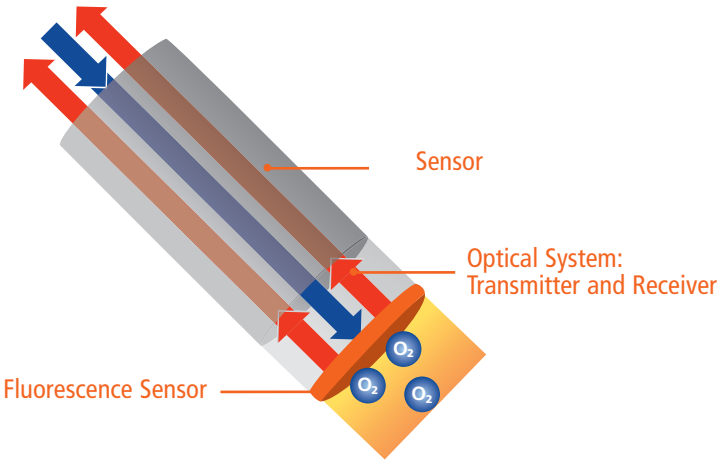
Sample Temperature:	23 – 113°F (-5 – 45°C)
Ambient Temperature:	32 – 131°F (0 – 55°C)
Pressure:	Maximum of 145 psig (10 bar)
Sample Connection:	1/4" (6 mm) Swagelok
Sample Medium:	Liquid or gas
Memory:	Up to 500 measurements

MECHANICAL

Construction:	Transmitter – high strength ABS, IP65 (NEMA 4x) Wet section – high strength ABS and sheet metal, all wetted parts stainless steel or PVC, IP55 (NEMA 4)
Dimensions:	Combined Analyzer: Height=25.75"(65.4 cm), Width=8"(20.3 cm), Depth=6.25"(15.9 cm) Separated Transmitter: Height=10.92"(27.74 cm), Width=7" (17.78 cm), Depth=7.63"(8.99 cm) Separated Wet Section: Height = 10.5" (26.7 cm), Width = 4.5" (11.4 cm), Depth = 3.5" (8.9 cm)
Mounting:	Wall mount or Panel mount
Wiring:	IP65 Connections
Distance:	Up to 49ft (15 meters) on request
Finish:	Corrosion resistant

Principle of Operation

Sample enters the flowcell and comes into contact with the active fluorescence sensor spot. The sensor spot is intensely illuminated by a light source which causes it to become excited and react with the oxygen molecules. Fluorescence intensity is reduced and is proportional to the oxygen partial pressure. This difference in intensity is measured and displayed as an oxygen concentration value.



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