

OMA

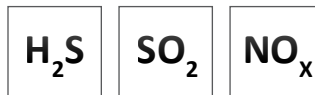
Offshore Process Analyzers

Ultra-safe, rugged analyzers for maritime environments.

- » UV-Vis full-spectrum spectrophotometer
- » Solid state with no moving parts
- » Analyzes liquid or gas stream
- » Highly automated for unattended operation
- » Measures up to 5 stream chemicals synchronously
- » Fiber optic cables transmit signal to/from sample
- » Xenon light source with 5 years average lifespan
- » Customizable alarm logic
- » Field-tested corrosion-proof wetted materials



Common offshore measurements:



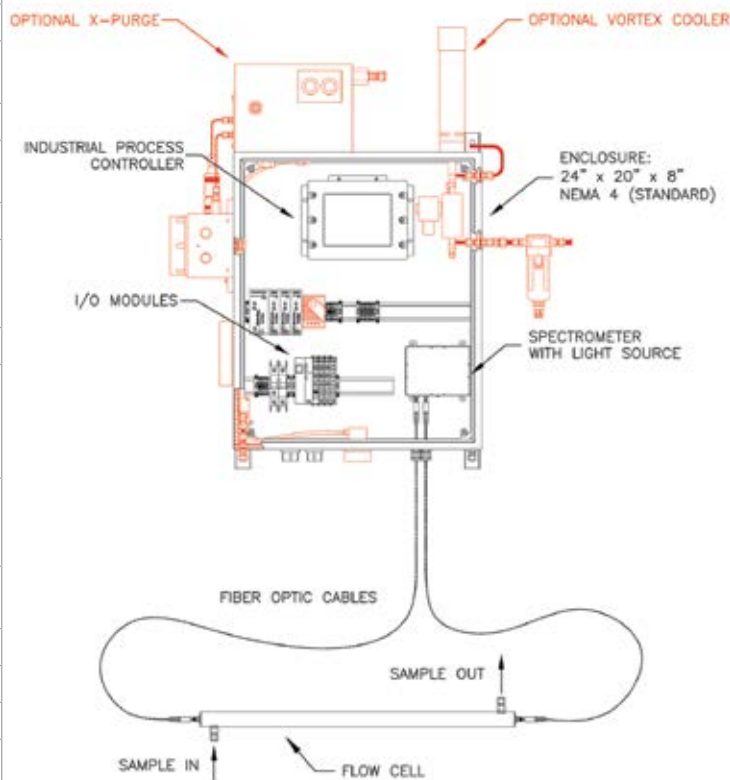
See more at <http://aai.solutions/measurements/>

OMA-300 Offshore Process Analyzer Specifications

Note: All performance specifications herein are subject to the assumption that all design for integration and sample conditioning is first approved by Applied Analytics.

Detector	nova-II™ UV-Vis diode array spectrophotometer
Light Source	Pulsed Xe lamp (average 5 year lifespan)
Fiber Optic Cables	Standard: 1.8 meter 600 μm core fibers (qty=2) <i>Longer lengths available.</i>
Sample Phase	Gas or liquid
Sample Cell	Standard: SS316 flow cell (length from 2 mm to 600 mm) <i>Other materials available.</i>
Sample Conditioning	Custom design if needed.
Accuracy	Photometric accuracy: ±0.004 AU <i>Please inquire for specific measurement accuracies.</i>
Spectral Resolution	~1 nm
Analyzer Calibration	If possible, analyzer is factory calibrated with certified calibration fluids; no re-calibration required after initial calibration; measurement normalized by Auto Zero
Verification	Simple verification with samples and self-check diagnostic
Ambient Temperature	Standard: 0 to 35 °C (32 to 95 °F) Optional: -20 to 55 °C (-4 to 131 °F) To avoid radiational heating, use of a sunshade is recommended for systems installed in direct sunlight.
Sample Temperature	Standard: -20 to 70 °C (-4 to 158 °F) Optional: up to 150 °C (302 °F) with cooling extensions Contact AAI for temperatures above 150 °C (302°F)
Sample Pressure (max.)	Using standard flow cell: 206 bar (3000 psi) Using immersion probe: 100 bar (1470 psig)
Electrical	85 to 264 VAC 47 to 63 Hz
Power Consumption	45 Watts
User Interface	Industrial controller with touch-screen LCD display
Standard Outputs	1 galvanically isolated 4-20mA output per measurement 2 digital outputs for fault and SCS control
Optional Outputs	Modbus TCP/IP; RS-232; Fieldbus; Profibus; HART; more
Wetted Materials	<i>Various custom materials available.</i> Standard: K7 glass, Kalrez, super duplex steel
Environment	Indoor/Outdoor — no shelter required
Certifications	Standard: General Purpose Available Options: ATEX, IECEx, EAC <i>Please inquire with your sales representative for additional certifications (CSA, FM etc.).</i>

Standard OMA-300 Process Analyzer
(common options shown in red color)



Weight	Analyzer: 32 lbs. (15 kg)
Size	Analyzer: 24" H x 20" W x 8" D (610 x 508 x 203 mm)
Enclosure	<i>Various enclosures available.</i> Standard: wall-mounted SS316 NEMA 4X enclosure

MADE IN THE USA

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A registered trademark of Applied Analytics, Inc.

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