OPTI-SENSE SERIES

NDIR Monitor

- Ideal for semiconductor applications -

Features

- Non-Dispersive Infrared (NDIR)
- Ideal for any infrared-absorbing gases
- Fast response time
- High sensitivity
- Species specific
- No consumables
- No moving parts

The OPTI-Sense series of sensors is based on Non-Dispersive Infrared (NDIR) technology. They are designed to precisely measure the absorbance in the infrared spectrum of specialty gases typically found in semiconductor applications. They are very compact and designed with no moving parts, making the OPTI-Sense robust and ideal for continuous in-situ gas monitoring of semiconductor processes.

All OPTI-Sense sensors are configured with analog and digital interfaces, making them easy to integrate into any process.

Configurations are available for the measurement of single and dual gas species.

Supported Gases

Consult factory for your application.

- SiF_4
- CF_4
- SiF_3
- SF_6
- CO
- NF_3
- CO_2
- WF_6
- Other species

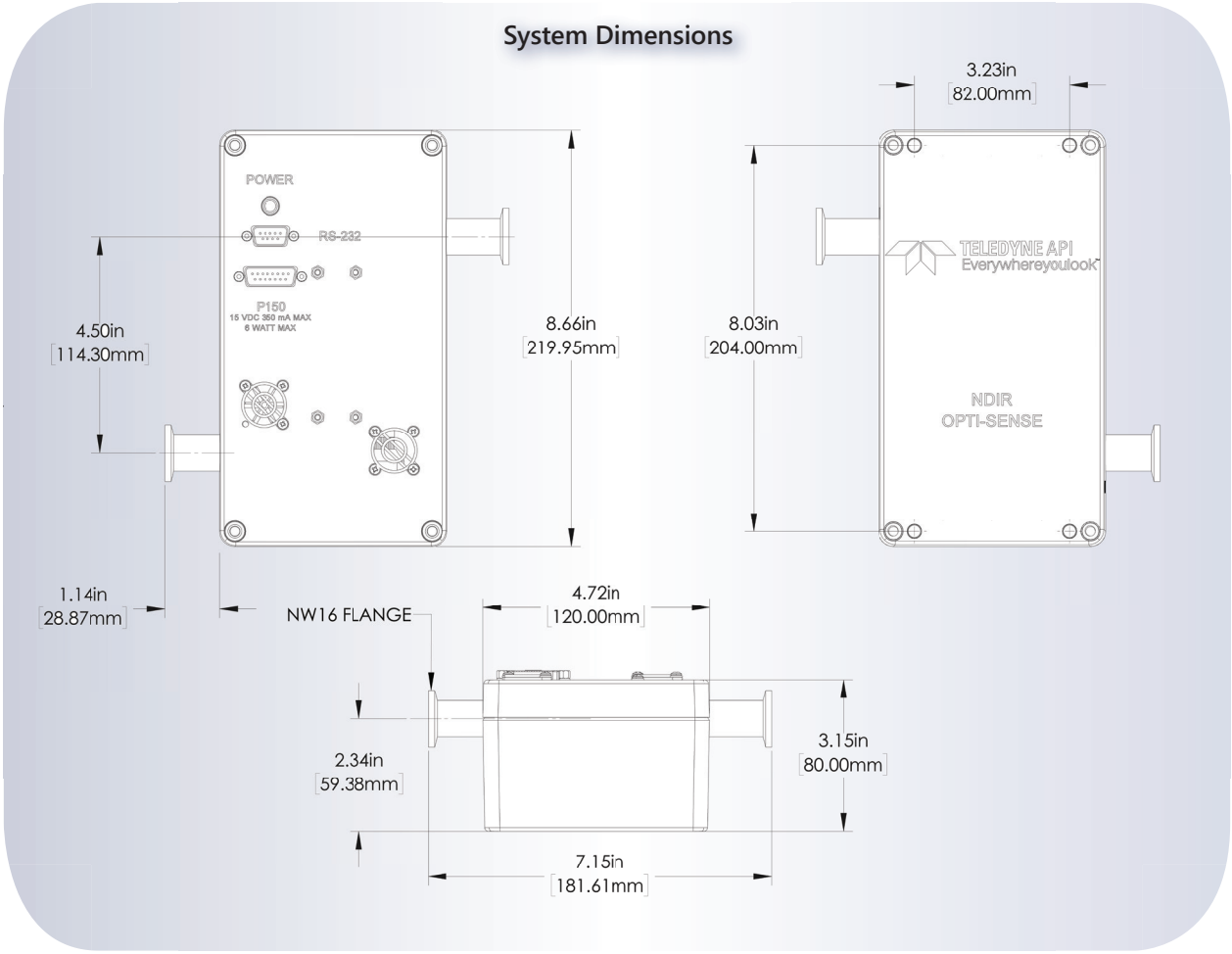
NDIR Monitor

Specifications

• Measuring Principle	Non Dispersive IR absorption
• Application	In Situ Measurement
• Light Source	MEMS-based Pulsed IR Emitter
• Materials	Corrosion Resistant Optics, Stainless Steel Wetted Parts
• Dimensions (WxHxD)	4.72" x 8.66" x 3.15" (120 mm x 220 mm x 80 mm)
• Weight	< 7 lbs (3.17 kg)
• Analog Output	Factory set to 0 – 1, 5, or 10 volt
• Digital Interface	RS-232 C
• Response Time	< 10 seconds

• Power Requirements	15 VDC – Less than 10 watts
• Sample Ports	KF16 – 304 SS (for other options, consult factory)
• Zeroing	Remote Zeroing Capability
• Leak Testing	Vacuum Leak-Tight Cell
• Software	Embedded (standard)
• Approvals	CE
• Warranty	1 year

System Dimensions



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