



OPTI-SENSE SERIES NDIR Monitor

- Ideal for semiconductor applications -

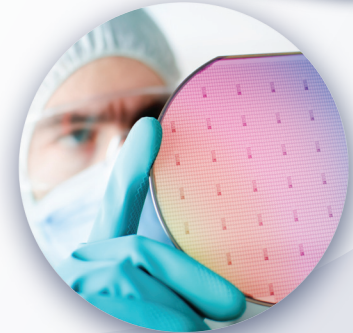


Features

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

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.

Built-in diagnostics are included in the embedded software. All OPTI-Sense sensors are configured with analog and digital interfaces, making them easy to integrate into any process.



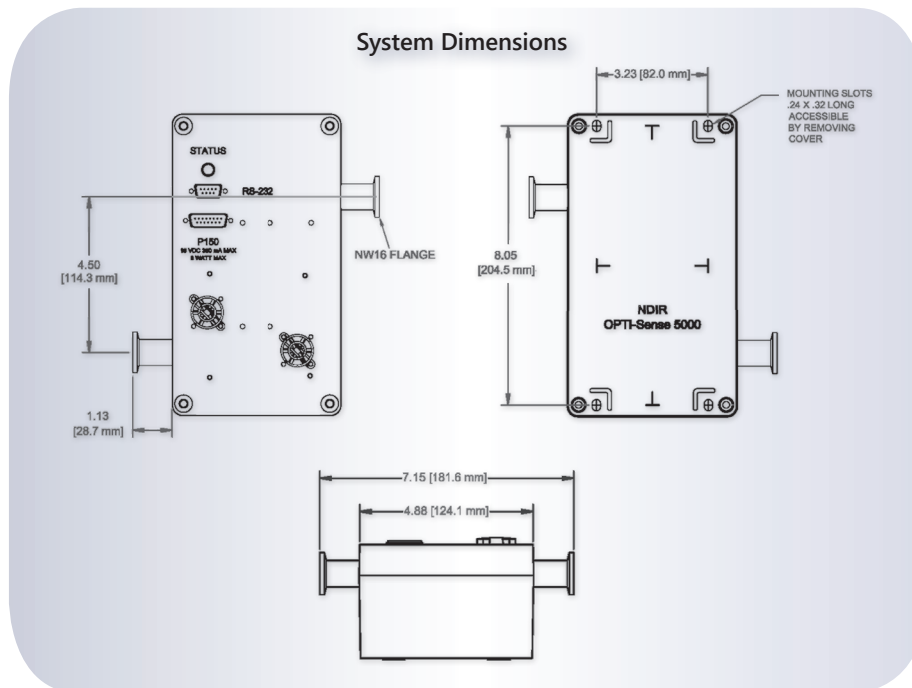
Supported Gases

- SiF₄
- SiF₃
- CO
- CO₂
- CF₄
- SF₆
- NF₃
- WF₆

and other species

Specifications

• Measuring Principle	Non Dispersive IR absorption	• Power Requirements	15 VDC – Less than 10 watts (AC Power Optional)
• Application	In Situ Measurement	• Sample Ports	KF16 – 304 SS (other options available)
• Light Source	Pulsed IR Emitter	• Zeroing	Remote Zeroing Capability
• Materials	Corrosion Resistant Optics, Stainless Steel Wetted Parts	• Leak Testing	Vacuum Leak-Tight Cell
• Dimensions (W x H x D)	5.00" x 8.75" x 3.25" (Including source and detector)	• Software	Embedded (standard) - Labview GUI Interface (optional)
• Weight	< 5 lbs	• Compliance	CE
• Analog Output	Factory set to 0 – 1, 5, or 10 volt	• Warranty	1 year
• Digital Interface	RS-232 C and optional GUI interface		
• Response Time	< 10 seconds		



Specifications subject to change without notice. All specifications are based on constant conditions. Printed documents are uncontrolled. SAL000096A (DCN 7917) 07.24.18