

Luna Innovations - Overview

- Founded 1990
- NASDAQ: LUNA (2006)
- Corporate HQ in Roanoke, VA
- 260+ employees
- Strong, consistent growth
- Recent expansion
 - Micron Optics – 2018
 - General Photonics – 2019



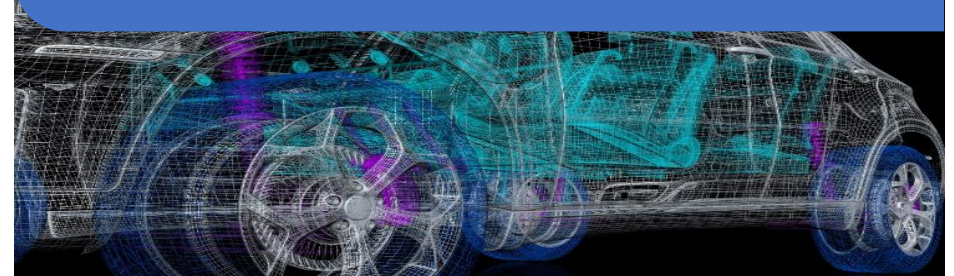
COMMUNICATIONS TEST AND PHOTONICS MEASUREMENT



Communications Test and Measurement

Innovative test and measurement technologies for optical components and networks deployed in telecom and datacom.

FIBER OPTIC SENSING



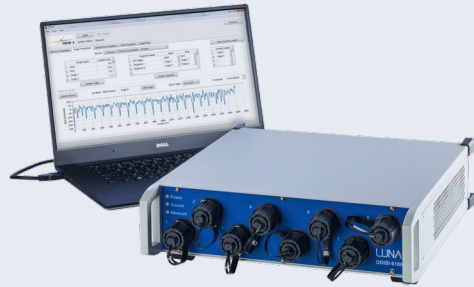
Automotive | Aerospace | Structures | Security

Measurement solutions that deliver data and insight not available with conventional data acquisition and monitoring systems.

Luna Lightwave Division – Product Portfolio

FIBER OPTIC SENSING

Interrogators and Software



ODiSI
High-Definition Distributed FO Sensing



HYPERION
High-Speed Multipoint Sensing

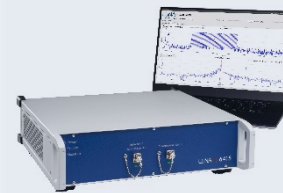
Fiber Optic Sensors



Sensors - Strain, Temperature, Acceleration, Displacement, etc.

COMMUNICATIONS TEST AND CONTROL

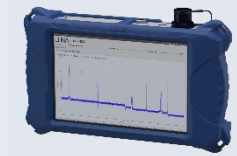
Test and Measurement Instruments



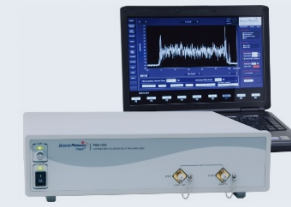
Luna 6415



OVA

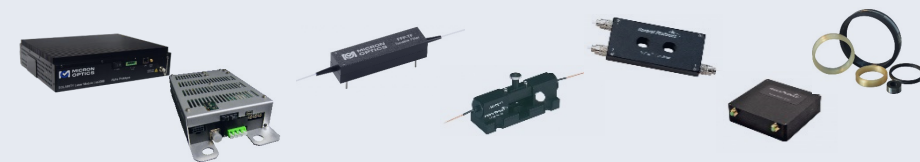


OBR



Polarization Measurement and Control

Lasers, Modules, Components



Lasers | Filters | Polarization | Delay Lines | Detectors | Fiber Coils

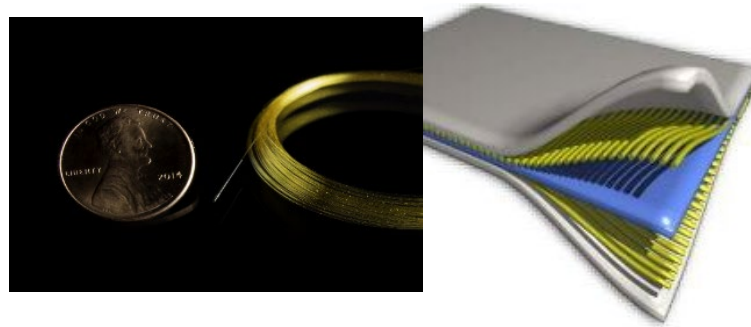
Fiber Optic Sensing

Works in harshest environments



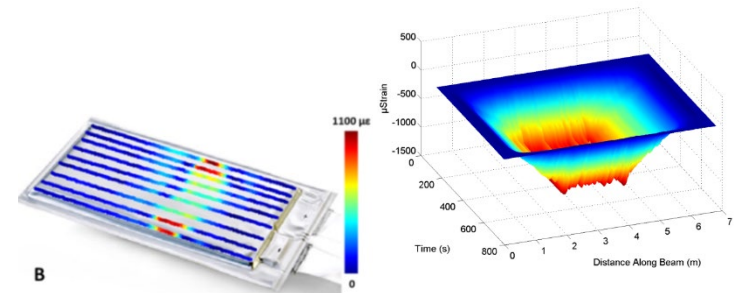
- Passive
- Immune to EMI
- Chemically inert
- Intrinsically safe

Can measure *where* you need data



- Very small, low profile (easy to embed)
- Lightweight
- Flexible
- Distributed

Provides more data, more insight

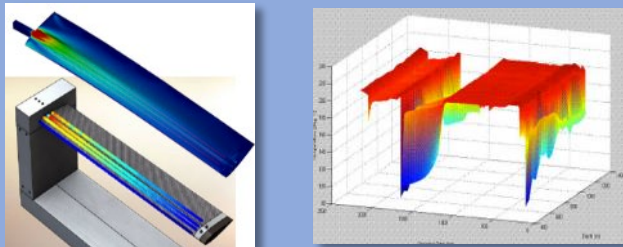


- High-definition mapping of strain/temperature
- Distributed sensing over large areas

Delivering Data and Insight Throughout the Product Life Cycle

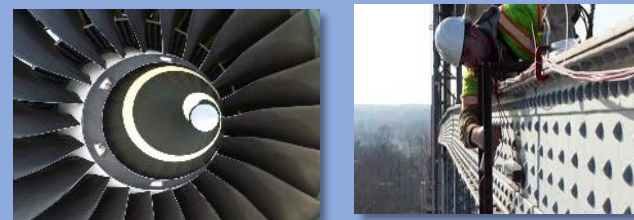


High-Definition FOS



- Ultra-high spatial resolution
- Small, embeddable sensor fiber

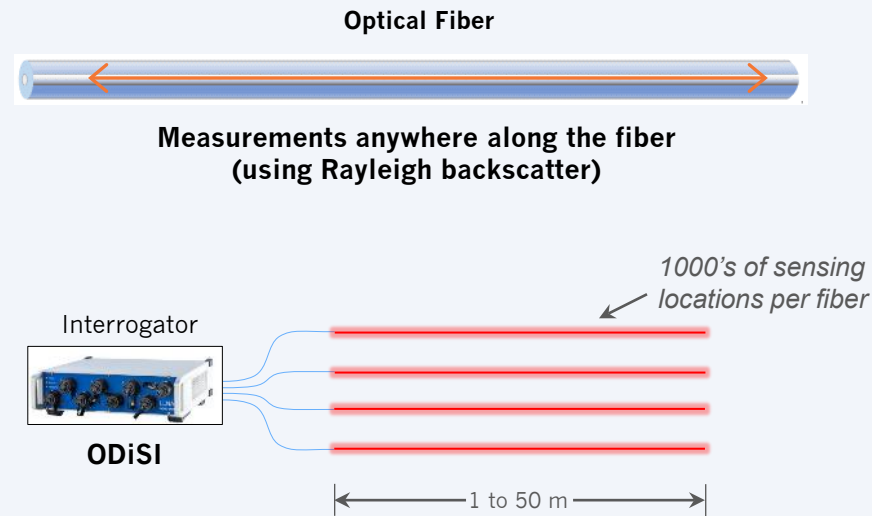
High-Speed FBG Sensing



- High-speed measurements
- Long distance range (km's)

The Right FOS Solution for Your Application

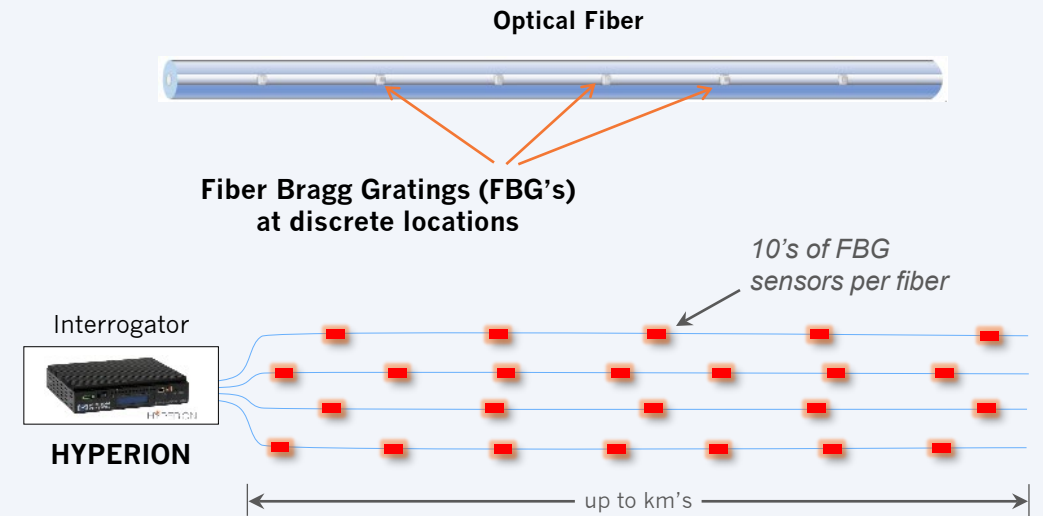
High-Definition FOS



Sensors

- Light, flexible fiber (150 μm)
- Static and quasi-static applications
- Strain and temperature

High-Speed FBG Sensing



Sensors

- Strain, Temperature, Displacement, Acceleration
- Static and Dynamic

The Right Solution for Fiber Optic Sensing Systems

High-Definition Distributed FOS



ODiSI 6000 Series

- Measure with ultra-high spatial resolution, down to 0.65 mm
- Low-profile, embeddable fiber sensors
- Strain and temperature

High-Speed FBG Sensing



HYPERION
P L A T F O R M

- High measurement rates to 5 kHz
- Very long range (km's)
- Easy-to-use, rugged sensors
- Strain, temperature, acceleration, displacement and pressure

Questions?

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