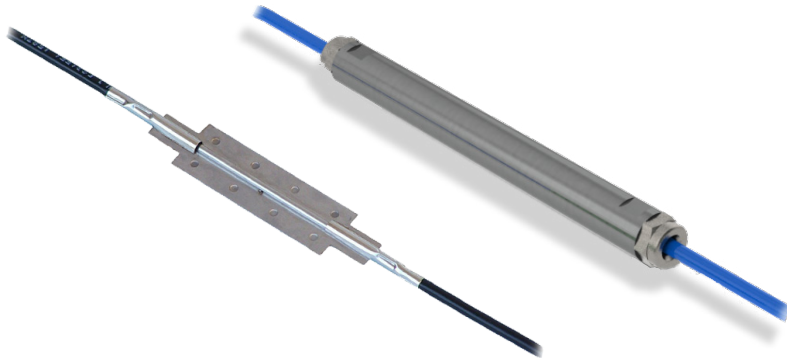




## FT Series



FT Series

## FBG Temperature Sensors

Optilab's FT Series temperature sensors are Fiber Bragg Grating (FBG) based sensors, designed to be bonded to surfaces and materials, spot welded to structures and components, attached or directly cast into concrete wet mix. Temperature sensors are available in the following configurations: Weldable Temperature Sensor, and Embedded Temperature Sensor. Contact Optilab for more information.

### Features

- Robust, Reliable, Compatible
- Completely passive
- High multiplexing capability
- Remote sensing
- Self-referenced

### Applications

- Strain Measurement
- Civil, industrial, or Aerospace Health Monitoring
- Fiber optic sensors and transducers interrogation
- Laboratory Testing and Measurement
- R&D

# FBG Temperature Sensors | FT Series

## OPTIONS

### FT Series

## TECHNICAL INFO

For technical info and support:

[sales@optilab.com](mailto:sales@optilab.com)

[www.optilab.com](http://www.optilab.com)

## PHONE

Contact Optilab at:

**1-888-553-3888 (toll-free)**  
**1-602-343-1496 (direct, int'l)**

Optilab, LLC  
Phoenix, AZ, USA

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 **OEQuest.com**

## Optilab Advantage

- Innovation
- Performance
- Quality
- Customization
- Warranty

Sensor Specifications	
Sensitivity	10 pm/°C
Measurement Range	-20 to 80 °C
Resolution	0.1 °C
Maximum Calib. Error	0.5 °C
Optical Specifications	
Central Wavelength	1500 to 1600 nm
Spectral Width (FWHM)	< 0.2 nm
Reflectivity	> 65%
Side Lobe Suppression	> 10 dB
Input/Output Specifications	
Cable Type	Ø 3 mm indoor (kevlar) Ø 3 mm outdoor (armor)
Cable Length	2 m each side (±5 cm)
Connectors	FC/APC SC/APC NC (No Connectors)
Environmental Specifications	
Operation Temperature	-20 to 80 °C
Protection Class	Embedded IP68
Mechanical Specifications	
Materials	Stainless steel
Dimensions	Weldable 45 x 15 x 0.6 mm Embedded 100 x Ø 10 mm