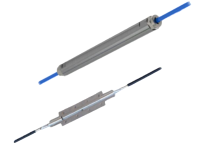


## 0703 FBG Sensor

W9001-S



### FT FBG Temperature Sensor

The fiber bragg grating (FBG) temperature sensor FT series are designed to be bonded to surfaces and materials, spot welded to structures and components, attached or directly cast into concrete wet mix. They are available in weldable temperature sensor and embedded temperature sensor.

#### FEATURES

- Remote Sensing
- Self-reference
- Completely Passive
- Robust, Reliable, Compatible
- High Multiplexing Capability

#### USE IN

- Strain Measurement
- R&D
- Civil, Industrial, or Aerospace Health Monitoring
- Fiber Optic Sensors and Transducers Interrogation
- Laboratory Testing and Measurement

Sensitivity	10 pm/°C
Measurement Range	-20°C to 80°C
Resolution	0.1°C
Max. Calib. Error	0.5°C
Center Wavelength	1500 nm to 1600 nm
Spectral Width (FWHM)	0.2 nm max.
Reflectivity	65% min.
Side Lobe Suppression	10 dB min.
Cable Type	φ3 mm Indoor (Kevlar), φ3 mm Outdoor (Armor)
Operation Temperature	-20°C to 80°C
Protection Class	Embedded IP68
Materials	Stainless Steel
Dimension	Weldable 45x15x0.6 mm, Embedded 100 x10x10 mm

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.  
**1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.**  
**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**