

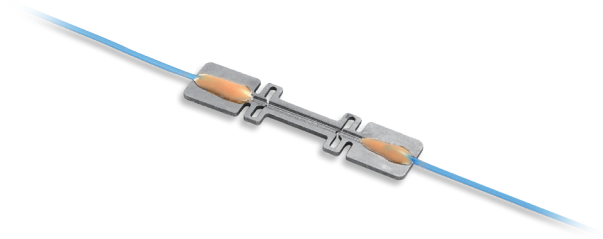
Strain Sensor S04

Description

Utilizing Fiber Bragg Grating (FBG) measurement technology combined with T&S's patented sensor packaging technology, the FBG patch strain sensor enables precise micro-strain measurements without the need for calibration.

Features

- Immune to electromagnetic interference
- Compact size and lightweight design
- Long operational lifespan
- Easy to install



Specification

Strain	Unit	Specification
Strain Coefficient	pm/με	~1.2
Strain Error	%	<1
Operating Temperature	°C	-40 to +80
Strain Range	με	±2500
Gauge Length	mm	22±1
Strain Accuracy	με	5
Strain Resolution	με	1
Mechanical Parameters	Unit	Specification
Dimensions	mm	34.5×8×0.8
Weight	g	~2
Material	-	Stainless steel
Installation	-	Spot welding or adhesive bonding
Pigtail Type	-	SMF-28e
Protective Sleeve Type	-	Ø0.9 fiber tube
Pigtail Length	m	1.0 or Customized
Optical Parameters	Unit	Specification
Center Wavelength	nm	1510 - 1590
Reflectivity	%	>75
Half-Power Bandwidth	nm	<0.3
Side Mode Suppression Ratio (SMSR)	dB	>15
Connector Type	-	FC/APC or Customized