

V01 FBG Vibration Sensor

Description

T&S V01 FBG vibration sensor is a device for measuring structural vibration. V01 vibration sensor can be combined with two other sensors fixed on special clamps for simultaneous measurement in three axial directions. Combined with WDM technology, a quasi-distributed sensor network is structured to directly measure the three-dimensional vibration acceleration of transformer body during its operation, which provides a new technical means for real-time online monitoring and condition evaluation of transformer vibration.

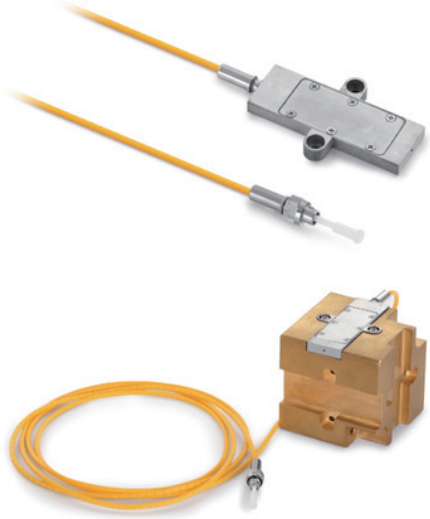
Features

- Unaffected by electromagnetic field
- Sensors can be connected in series
- Fast installation
- Repeatable installation

Application

- Oil immersed transformer

Specification



Item	Unit	Specification
Sensitivity	pm/g	30 (peak value)
Frequency Range	Hz	5-500
Resonance Frequency	Hz	1200
Maximum Impact Response	g	100
Operating Temperature	°C	-40 to +120
Dimension	mm	65x41x6
Weight	g	54
Installation	-	54