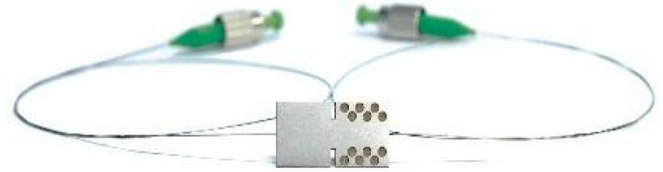


# HIGH TEMPERATURE FIBER SENSORS

UP TO +350°C

The fiber strain sensors (OSSH series) makes use of the sensitivity of fiber grating to measure the strain.



SENSORS SPECIFICATION	OSSH-531
Sensor material	Steel plate AISI 316L
Size, mm	30 x 15 x 1,1
Method of attachment	Welded joint, glue connection
Optical fiber protection material	Steel tube AISI 316L
Resonance wavelength, nm	1510 ÷ 1590
Type of measured deformation	Relative
Strain measuring range, µm	± 100
Accuracy in the entire range, µm	± 0.5
Temperature measuring range, °C	- 70 ÷ +350

UP TO +250°C

Uniaxial fiber-optic accelerometers (vibration sensors) series OSMA-520-2000 designed for continuous measurement of vibration (vibration displacement, velocity and acceleration) of various industrial units and structures from **-70 to +300°C**.



SENSORS SPECIFICATION	OSMA-520-2000
Resonance wavelength, nm	1510 ÷ 1590
Measuring range, mc <sup>2</sup>	1 ÷ 100
Resolution, mc <sup>2</sup>	1
Accuracy at 25°C, Hz	± 0.5
Frequency response, Hz	10 ÷ 2000
Operation temperature, °C	- 70 ÷ +300
Optical fiber protection material	PTFE tube
Size, mm	70 x 30 x 15,5
Method of attachment	Screw connection
Connecting size	M4