

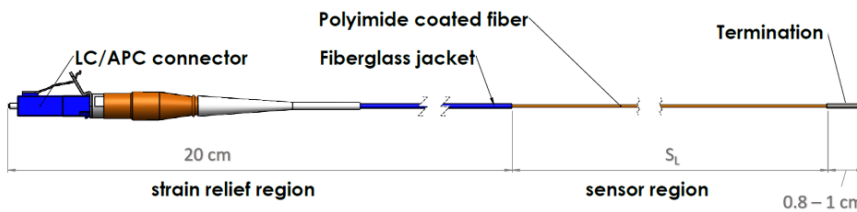
HD Strain Sensors

High-Definition Fiber Optic Strain Sensors

Luna's high-definition (HD) strain sensors are low-profile, flexible sensors for use with the ODiSI measurement system for ultra-high resolution strain measurements with gage pitches down to 0.65 mm. HD sensors are supplied with NIST-traceable calibration coefficients and a unique key ID that enables plug-and-play identification and operation.

KEY FEATURES

- Low profile for embedded or surface applications
- Flexible, polyimide coated fiber
- NIST-traceable calibration
- Included sensor key enables plug-and-play operation with ODiSI system
- Sensing lengths from 1 - 100 m



PARAMETER	SPECIFICATIONS
Fiber type	Polyimide coated low bend loss fiber
Strain Relief	20 cm, fiberglass
Sensor diameter	155 μm
Termination diameter	286 μm
Minimum bend radius	10 mm
Sensor termination length, material	0.8 cm, glass
Operating temperature - sensing region	-40 to 300 $^{\circ}\text{C}$
Operating temperature - connector	-60 to 150 $^{\circ}\text{C}$

ORDERING

Part Number

HD6SxxLC300P

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Description

High-definition (HD) strain sensor, with reference calibration key files

Indicates sensor length S_L (m): 01, 02, 03, 05, 10, 15, 20, 30, 40, 50 or 100 m