

# FBG Hydrostatic Level Sensor HS-01

The FBG Hydrostatic Level Sensor HS-01 is a high-precision pressure monitoring system designed to measure the relative settlement of multiple points. In application, a series of FBG sensors are connected by connecting pipes. The pressure of each measuring point is measured by the sensor. Each sensor is composed of a pressure measuring fiber grating and a temperature measuring fiber grating. The sensor is composed of a sensing film to sense the change of water pressure and transmit it to the pressure grating. The sensor performs temperature compensation to correct the drift of sensor data caused by changes in external temperature.

## Key Features

- Anti-vibration
- Compact size
- Installation level of the base is not required
- Slow liquid volatilization
- Safe during installation
- Easy to maintain

## Applications

- Bridges
- Hydropower plants
- Dams
- High-rise buildings
- Nuclear power plants
- Water conservancy project rock masses

## Specifications

Parameter	Unit	Value
Center Wavelength	nm	1460 ~ 1610
Range	mm	200
Resolution	mm	0.1
Accuracy	mm	1
Temperature Compensation	--	Built-in
Material	--	Stainless steel
Installation	--	Expansion bolt
Dimension	mm	Φ76 x 128
Pigtail Length	m	Φ3mm armored cable, 1m at single end, or customize
Optical Connector	--	FC/APC, or customize
Operating Temperature	°C	-20 ~ +80

