

FBG Humidity Sensor HST-01

FBG Humidity Sensor HST-01 is packaged in a stainless steel metal tube, and uses the humidity sensitivity characteristic of FBG to monitor humidity. The sensor is inherently safe, free from electromagnetic interference, and stable for a long time. It is suitable for temperature and humidity testing. The sensor is reliable and has a fast response speed.

Key Features

- Fast response time
- High stability and reliability
- High humidity sensitivity
- Temperature compensation sealed
- Network monitoring with other sensor



Applications

- Buildings, warehouses, cable channels, power poles and towers

Specifications

Parameter	Unit	Value
Center Wavelength	nm	1460 ~ 1610
Humidity Range	%RH	5~95
Humidity Resolution	%RH	0.25
Humidity Accuracy	%RH	4
Temperature Resolution	°C	0.1
Temperature Accuracy	°C	+/-0.5
Temperature Range	°C	-40~100
Temperature Compensation	--	Built-in
Material	--	Stainless Steel
Dimension	mm	Φ16 x 72
Installation	--	Embedded
Pigtail Length	m	Φ3mm TPU cable, 1m at dual ends, or customize
Optical Connector	--	LC/APC, or customize
Operating Temperature	°C	-40~100
Operating Humidity	%RH	10 ~ 95