

# NORTH PHOTONICS

## Fiber Humidity Sensor

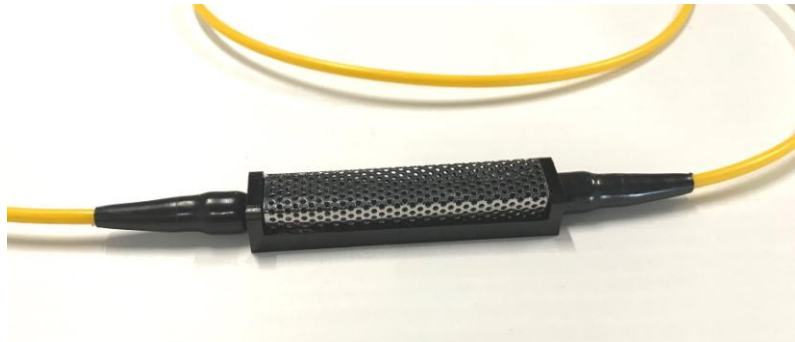
(OEFHS-100)

A new fiber Bragg grating humidity sensor is now available at **North Photonics LLC**. The humidity sensor **OEFHS-100** is based on a patent pending technology and profits from our advanced FBG writing facilities. Fibre grating humidity sensors are used to measure the relative humidity (RH) in a wide range with high accuracy and sensitivity. An optional temperature sensor can be built in with humidity sensor for monitoring both humidity and temperature at the same time.

Although individual humidity sensors can be used in various applications, multiple-FBG humidity sensor arrays can be made in the same optical fiber.

### Features:

- High sensitivity
- High reliability and long term stability
- Suitable for humidity sensor arrays



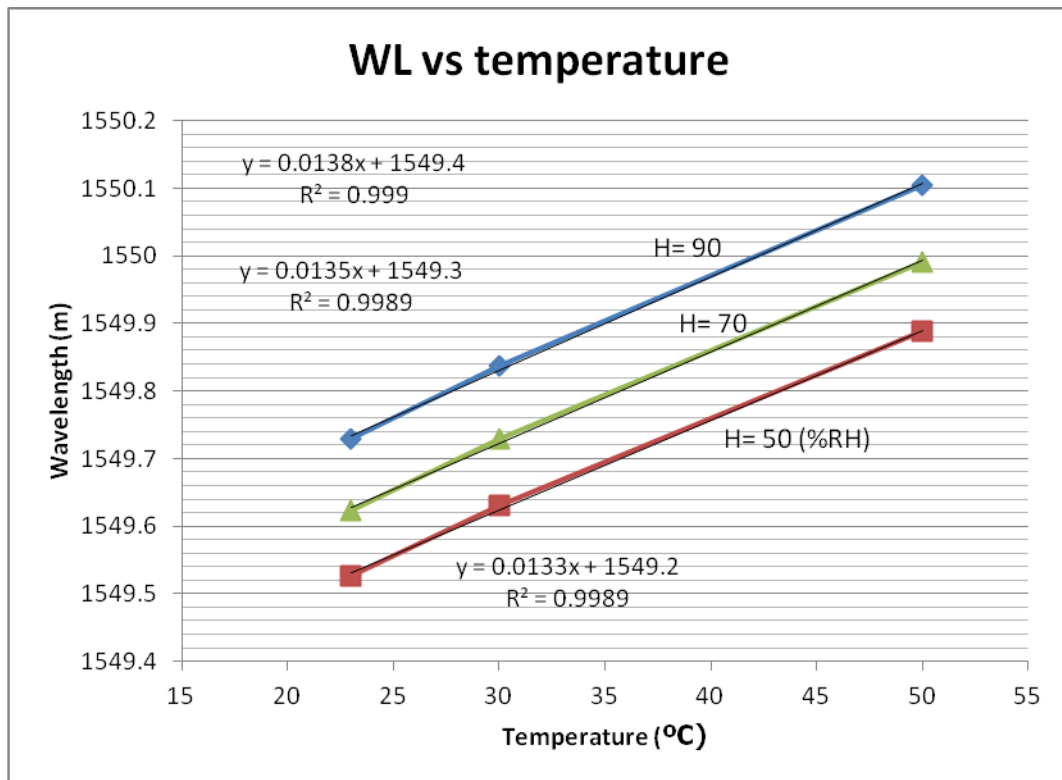
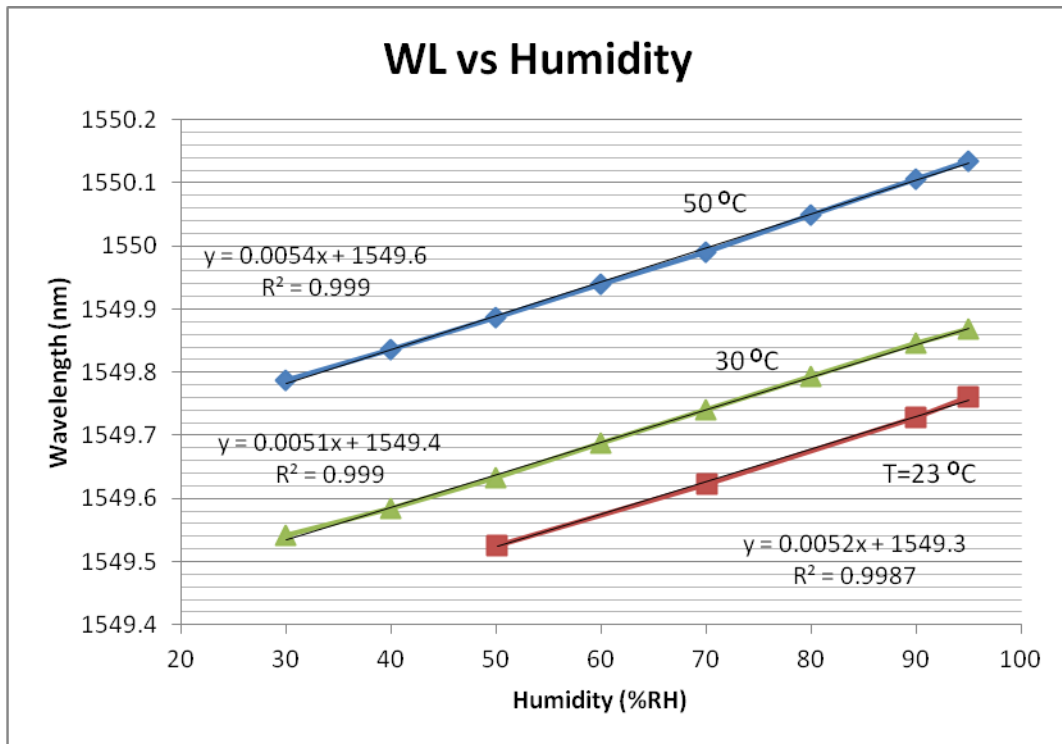
Fiber humidity Sensor, OEFHS-100

### Specifications:

	OEFHS-100A	OEFHS-100B
Center wavelength (nm)	1310, 1550	
FWHM (nm)	0.2 ± 0.1	
Reflectivity (%)	> 75	
Humidity range (%RH)	10-95	
Sensitivity (pm/%RH)	4-5	
Temperature sensor	None	Built-in
Size (mm)	10x14x65	
Operation temperature (°C)	0-80	
Fibre cable	3 mm	
Fiber output	Single or double	

Note: All specifications are subject to change without notice.

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Please feel free to contact us at [sales@northphotonics.com](mailto:sales@northphotonics.com) for more information on this product.

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