

Give you a feel[®]
When every point of the optical fiber is a sensor

Neural Optical Fiber Scope

NEUBRESCOPE NBX-S3000

NEW

Polarization/Phase diversity technology in COTDR to measure vibration and acoustic



Spatial resolution: 2m, 5m, 10m

Channel resolution: 1m ~ 10m

Sampling rate: 1kSps ~ 200kSps

Frequency range: 1Hz ~ 100kHz



Specifications NBX-S3000

Function	Distributed Optical Fiber Acoustic Acquisition System		
Laser Wavelength	1550nm ± 0.01nm		
Measurement Type	DVS/DAS		
Main Feature	Vibration / Acoustic		
Distance Range	50m ~ 20km		
Read-out Resolution	1m		
Sampling Points	20,000 (maximum)		
Sampling Rate	1kSps ~ 200kSps		
Frequency Range	1Hz ~ 100kHz		
Pulse Width	20ns	50ns	100ns
Spatial Resolution	2m	5m	10m
Dynamic Range	3dB	6dB	9dB
Max. Distance Range *1	15km	20km	20km
Sensitivity *2*3	60dBA		
Polarization and Phase Diversity	Ix, Iy, Qx, Qy		
Internal Storage	240GB		
Fiber Connector	E2000/APC		
Applicable Fiber	Single-mode Optical Fiber		
Power Supply	AC 100~240V, 50/60Hz, 250VA		
Laser Class	Class 1 (IEC60825-1:2001)		
Dimension / Weight	480 (W) x 585 (D) x 300 (H) mm / 40kg (19 (W) x 23 (D) x 11.8 (H) inch / 88lbs)		
Operating Temperature	10 ~ 40 °C (50 ~ 104 °F) < 80% RH (No dew condensation)		
Storage Temperature	0 ~ 50°C (32 ~ 122 °F)		
Place of Production	Japan		

*1. Based on average fiber loss of 0.2dB/km using single mode fiber (UV-coated).

*2. Based on the measurement of strain free, UV coated fiber.

*3. Based on the measurement of strain free, UV coated fiber and in constant temperature environment.

* Specifications are subject to change without notice.

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