LAZOC SENSING TECHNOLOGY

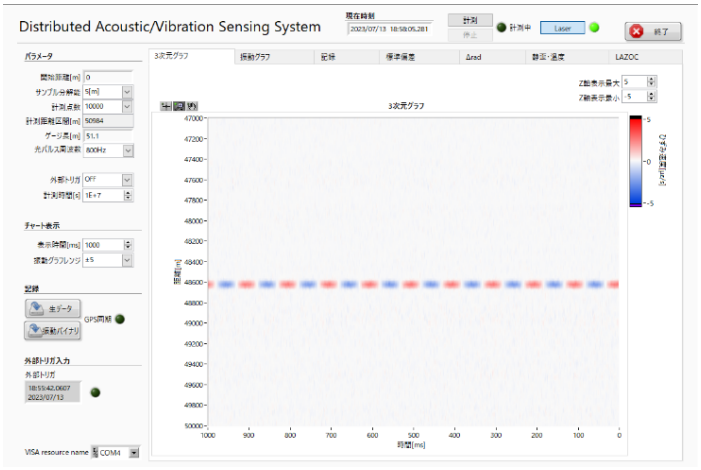
DAS (Distributed Acoustic Sensor)

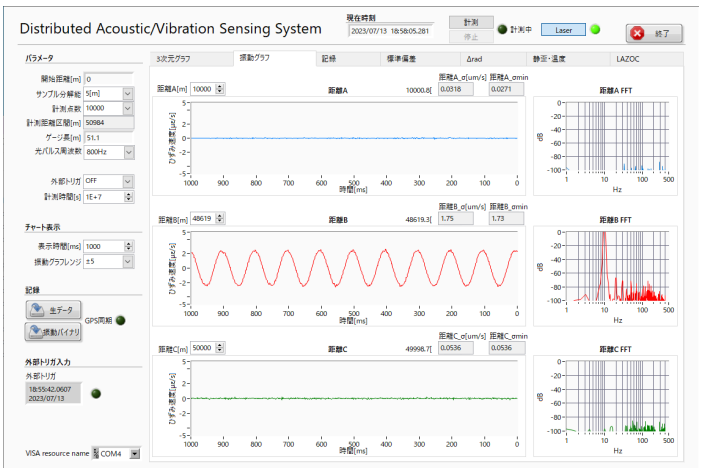
Vibration can be monitored over an entire fiber optical length

On a single optical fiber, you can clearly see vibrations and their positions!
The longest is 100km !
For abnormality detection using spare fiber!

Compatible with IEC standards 61757-3-2 calibration method

User interface





Vibration distribution display example (left: 3D vibration waveform, right: 2D vibration waveform)
(Displays vibration waveform around 49km)

Contact : Lazoc Inc. , Address : 1-5-3, Nishi-Kameari, Katsushika, Tokyo, Japan
TEL : 81-3-6662-7270, FAX : 81-3-6662-7274, MAIL : info@lazoc.jp

LAZOC
SENSING TECHNOLOGY

specification

item		specification	remarks
Measurement item		Vibration distribution	Unit : strain rate
Optical fiber	kinds	SM fiber	Optical fiber is sold separately No reflection at optical fiber connection points
	optical connector	FC/APC	
Vibration measurement (distance)	Measurement distance	Maximum 100Km	
	Spatial sampling	0.2 ~ 10m	depends on distance
	Gauge length	Can be selected during analysis	
Vibration measurement (time)	Sampling rate	500Hz ~ 4kHz	depends on distance
Waveform display function	Display waveform	3D , 2D	2D can display three locations waveforms simultaneously
	Real time display	10 sec continuous	2D waveform displays also FFT
record	data capacity	Approx. 8.6 TByte/ day	In case of 1kHz sampling, 25K points
	data format	Raw , vibration binary	
	synchronization	GPS , external trigger	
power supply	Power-supply voltage	AC100V	
	power consumption	Apprpx. 420W	
laser safety		Class 1M	
dimensions	Interrogator	Apprpx. 450x177x430mm	
	PC	Apprpx. 169x465x445mm	+ display, keyboard
mass	Interrogator	Apprpx. 13kg	
	PC	Apprpx. 14kg	
Attached items		Control software, etc.	

Contact : Lazoc Inc. , Address : 1-5-3, Nishi-Kameari, Katsushika, Tokyo, Japan
TEL : 81-3-6662-7270, FAX : 81-3-6662-7274, MAIL : info@lazoc.jp