

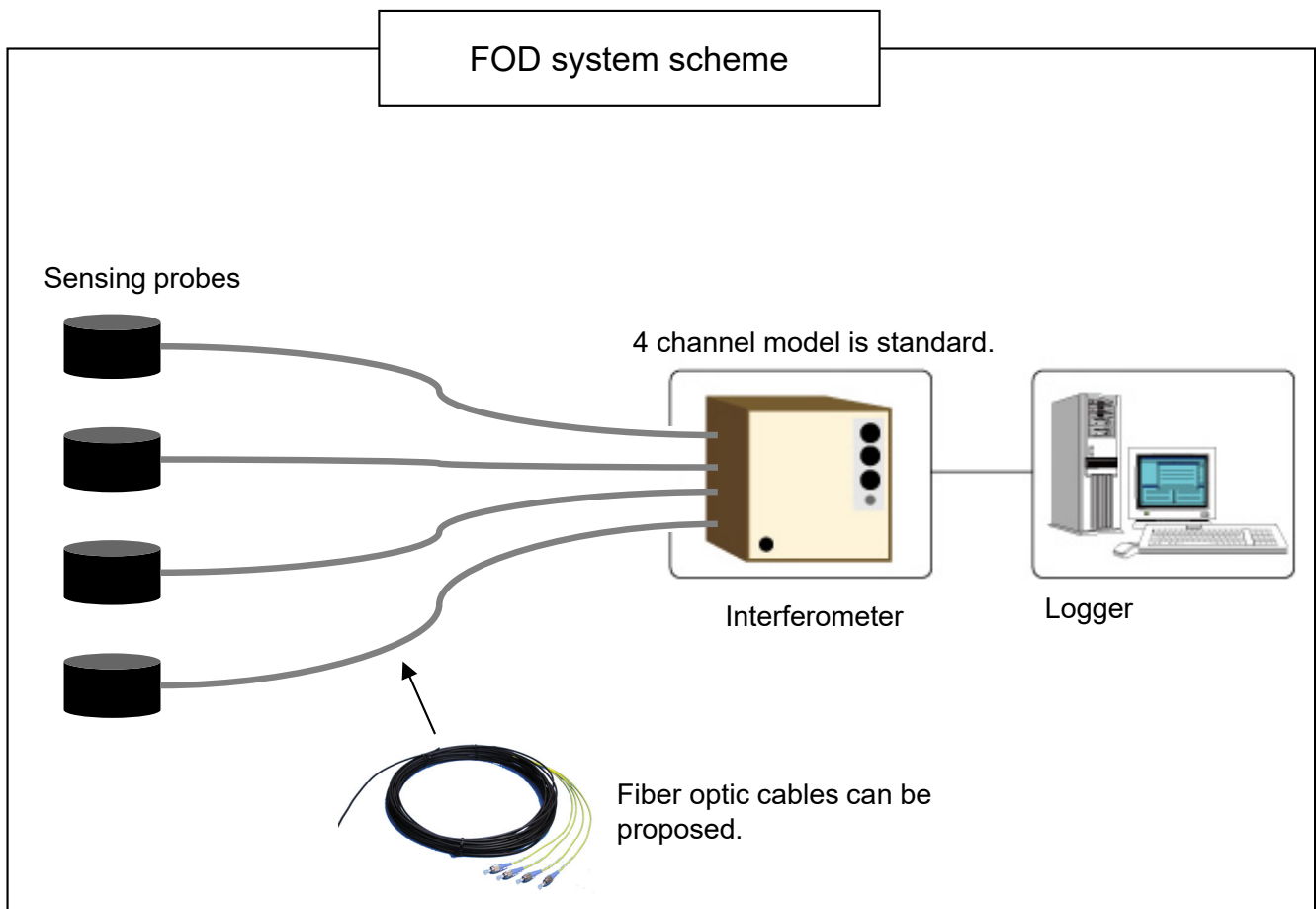
Fiber Optic AE Sensor

Application :

Tunnel, Underground cavern
Piping crack
Concrete structure
Corrosion
Rotating machinery

Features :

Long distance signal transmission
Electro-magnetic noise free
Explosion-proof
Water tough



Interferometer

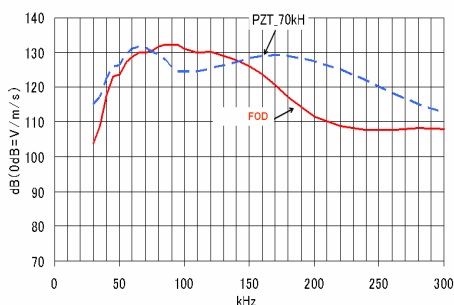


Interferometer	
Model	LAIF1510C4-FC
Laser	Wavelength 1550nm (class 1)
Optical output	>10mW
Optical connector	FC/PC
Signal output	Analog voltage 0.001/0.01/0.1/1.0 V/meter/sec
Output voltage	Max ±10Vp-p
Output impedance	50 Ω (BNC)
Frequency spec	100Hz~500kHz ± 1 dB 10Hz~1 MHz ± 3dB
No of channel	4ch
Operating temperature	0~40°C
Operating humidity	20~90% (no condensation)
Storage temperature	-5~45°C
Dimension	430(W) × 250 (H) × 450(D)mm
Weight	Approx. 20kg
Voltage	AC100V ± 10% 50Hz/60Hz
Power	130VA (@100V)

Fiber-optic AE Sensors



FOD-AE sensor	
Model	LAAE1508ML-FC
Fiber optic	SM polyimide-coated (dia. 155 μm)
Operating temperature	- 20°C ~ + 100°C
Dimension	Φ approx 30mm × height approx 10mm



Frequency response sample



FOD element for inhouse experiment