

**Green Technologies  
For a Safer and Better Living  
In Smart City**



**Optical Sensing Interrogator System (Model#: OSI-100)**

➤ The OSI-100 is an optical fiber sensing equipment for high speed optical interrogation. Max 4 optical sensors per channel in the measurement range of 1550nm region can be interrogated simultaneously. The OSI-100 guarantees a wavelength measurement resolution and repeatability of max 5pm respectively makes it very suitable for industrial automation and engineering applications.

**Features**

- Compact and Robust
- No Moving Parts
- High Accuracy and Reliability
- User Friendly Interface

➤ **Low-cost Sensing Solution!** 👍



Specification:	
Parameter	Unit
Source Optical Output Power	>-10dBm
No. of Channel	2
Optical Connection	FC/APC
Number of Optical Sensors	4 sensors per channel max
Wavelength Measurement Range	>8 nm in 1550nm region
Wavelength Repeatability	5 pm max
Wavelength Drift	3 pm/°C
Dynamic Range	10 dB
Measurement Frequency	1kHz max
Connection Interface	Ethernet RJ45
Software	Bundled with AT-Monitor for data visualization and data logging
Input Voltage	12Vdc, 1A
Operation Temperature	0 to 45°C
Weight	2 kg
Size (LxWxH)	232 x 165 x 70 mm

**Applications**

**Escalator Monitoring**



**Lift Monitoring**



**HVAC Temperature Monitoring**



**Rolling stock, rail track, overhead line Monitoring**



**Cargo Lifting Monitoring**



\*The Company reserves the right to make any changes.

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