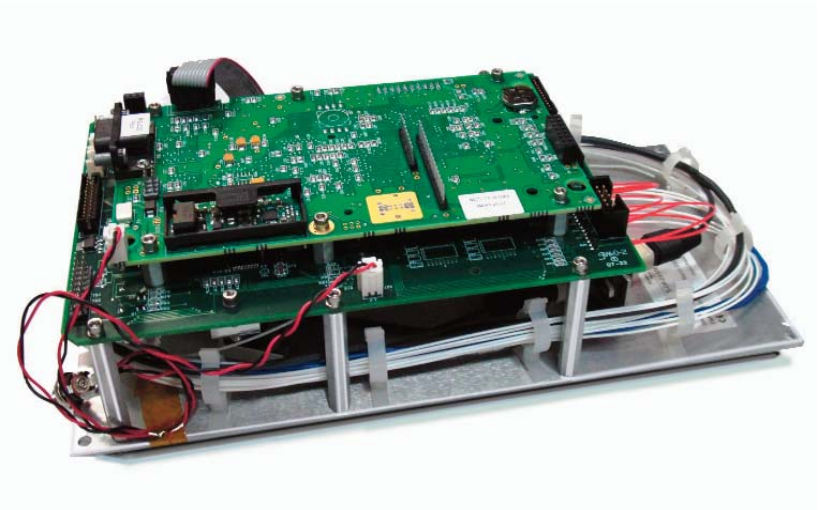

A PERFECT LOW COST SOLUTION FOR EASY INTEGRATION IN CUSTOMER'S HOST SYSTEM

Use with Opsens' WLPI fiber optic sensors —— • Pressure • Temperature • Strain • Position

Key Features

- Up to 12 measurement channels
- High linearity and precision
- Easy OEM migration
- 20 Hz sampling rate
- Private label option

Applications

- Microwave assisted chemistry
- High voltage environment
- EMI, RFI and microwave environments
- Nuclear and hazardous environments
- All industrial applications

Description

The OEM-FLS is an OEM-Type signal conditioner based on the WLPI technology (patent # 7,259,862) yo be used with any Opsens' interferometric fiber optic sensors for temperature, pressure, strain, and position measurements.

This conditioner offers the OEM customer a product package designed for their specific needs. Its compact size and modular assembly give OEM's the best in design flexibility.

The OEM-FLS comes with or without external casing, private label option and with various interface for easy integration into customer's hosts systems.

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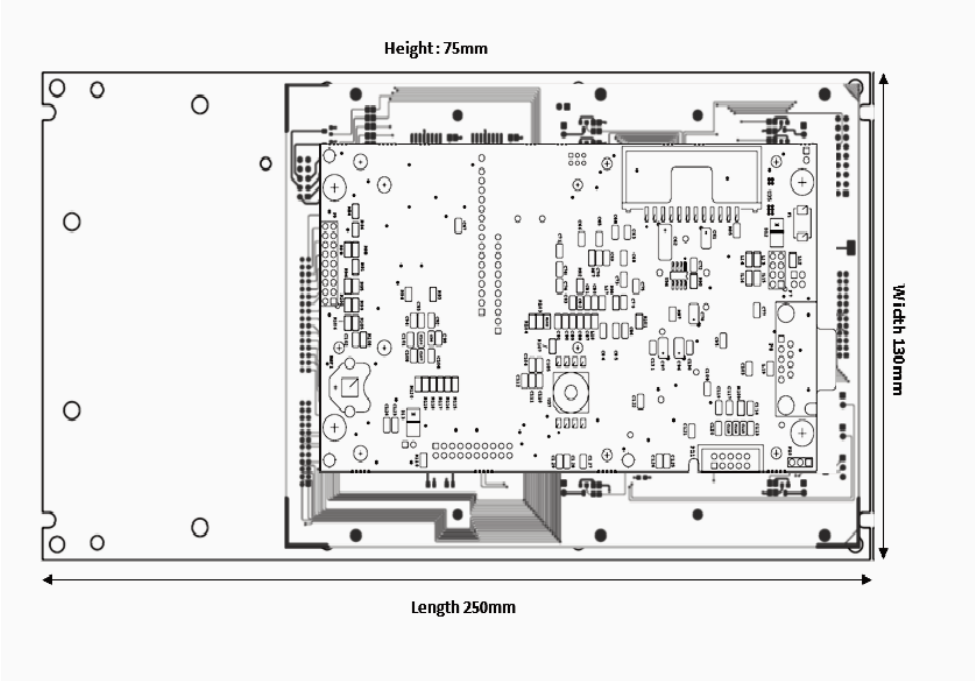

Specifications

Number of channels	2 to 12 channels
Compatibility	All Opsens WLPI fiber optic sensors
Full scale	30 000 nm (path length difference)
Resolution	±0.003 % of F.S. (no averaging)
Precision	±0.01 % of F.S. @ ±3.3 sigma limit (99.9 % confidence level)
Sampling rate	20 Hz standard (rate given for a fixed channel)
Output interface	RS-232 (SCPI) or ±5 V (optional and up to 12 outputs only)
Display	LCD screen display standard Can be ordered without display
Dimension	130mm (W) x 250mm (L) x 75 mm (H)
Input power	9 to 24 VDC (AD/DC wall-transformer adapter included)
Consumption	1.8 Watt typical
Storage temperature	- 40 °C to 70 °C
Operating temperature	0 °C to 45°C
Humidity	95 % non condensing
Light source life span	40 000 hours MTBF

All specifications are subject to change without prior notifications