



OEM BOARD DESIGNED FOR POWER TRANSFORMER APPLICATIONS

use with GAAS temperature sensor

Key Features

- Modular package for design flexibility
- Easy OEM migration
- High linearity and precision
- 50 Hz sampling rate
- Custom output options
- Cost competitive volume discounts
- Private label option

Applications

- Power transformer hot spot temperature monitoring
- Multipoint long-term monitoring
- In-situ process monitoring
- High Voltage environments
- EMI, RFI and microwave environments
- Nuclear and hazardous environment

Description

The OEM-PWS is an OEM-type signal conditioner based on Opsens GaAs (SCBG) technology.

The OEM-PWS has a channel sampling rate of 50 Hz and a channel scanning rate of up to 6.25 Hz. It is used with 62.5/125 or 200/230microns optical temperature sensors .

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.

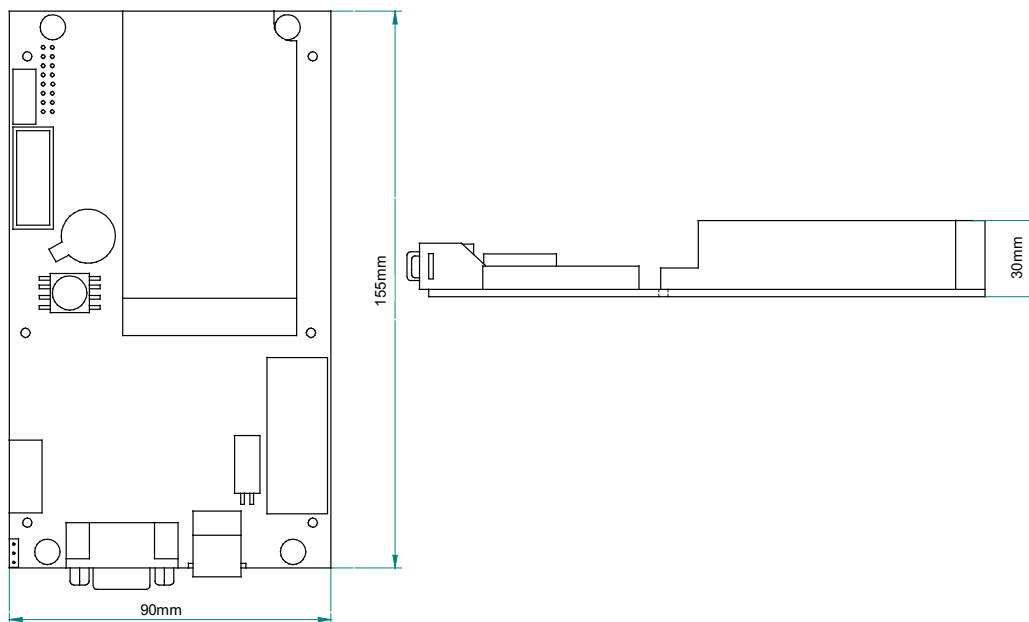
The OEM-Sens comes with or without external casing, private label option and with various interface options for easy integration into customer's hosts systems.

† (Patent pending)

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Specifications

Number of channels	9, 12, and 15
Compatibility	All OpsensGaAs fiber optic sensors with 62.5/125 microns optical fiber. (200/230 microns optical fiber version available on demand)
Accuracy	± 0.8 °C (Total accuracy over the full range including both signal conditioner and sensor errors – higher accuracy available on demand)
Resolution	0.1 °C
Sampling rate	50 Hz standard (rate given for a fixed channel)
Channel scanning rate	6.25 Hz maximum (channel-to-channel scan period = 160 ms)
Serial output interface	RS-232 and RS-485 standard, SCPI and Modbus protocol supported
Analog output	± 5 V or 4-20 mA output optionally available
Input power	12 to 24 VDC (AC/DC wall-transformer adapter included)
Consumption	2.5 W typical
Storage temperature	-40 °C to 70 °C
Operating temperature	-40 °C to 60 °C (LCD display may not work at all temperature)
Humidity	95 % non condensing
Light source life span	> 25 years MTBF

All specifications are subject to change without prior notifications