



A PERFECT TEMPERATURE MONITORING SOLUTION FOR EASY INTEGRATION INTO CUSTOMER'S HOST SYSTEM

Use with Opsens' GaAs (SCBG) temperature sensor

Key Features

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

Applications

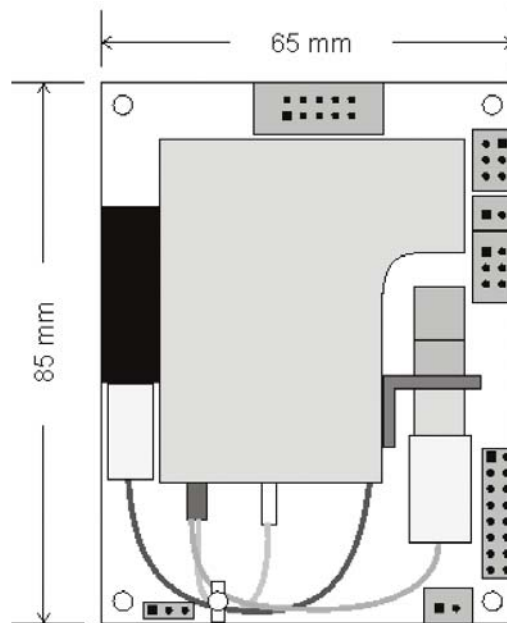
- Temperature monitoring in MRI environment
- Temperature monitoring for preclinical and research applications
- Catheter research and new product development
- All industrial OEM applications

Description

The OEM-MNT is an OEM-type signal conditioner based on the GaAs (SCBG) technology is dedicated to be used with Opsens' GaAs fiber Optic 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-MNT comes without external casing, private label option and with various interface options for easy integration into customer's hosts systems.



Specifications

Number of channels	1
Compatibility	OTG temperature sensors
Full scale	-40 °C to 250 °C (cryogenic temperature range also available)
Resolution	0.05 °C
Precision	± 0.3 °C for medical application ± 0.8 °C for industrial application (total accuracy including both signal conditioner and sensor errors)
Sampling rate	50 Hz standard
Channel scanning rate	6.25 Hz maximum (channel to channel scan period =160 ms)
Output interface	RS-232, 0.5V – 4.5 V
Input power	5 V
Storage temperature	-40 °C to 70 °C
Operating temperature	-40 °C to 60 °C
Humidity	95 % non condensing