

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

Description

The DUO, a 2-channel 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 DUO comes without external casing, private label option and with various interface options for easy integration into customer's hosts systems.

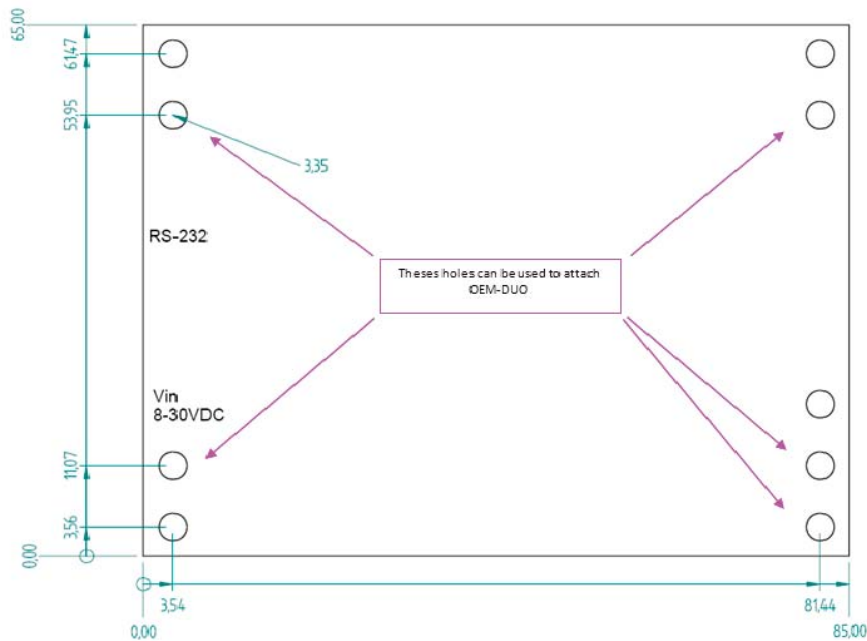
Applications

- Temperature monitoring in MRI environment
- Temperature monitoring for preclinical and research applications
- All industrial OEM applications

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Specifications

Number of channels	2
Compatibility	OTG temperature sensors
Full scale	-40 °C to 250 °C (cryogenic temperature range also available)
Resolution	0.01 °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	2 Hz maximum (channel to channel scan period =500 ms)
Output interface	RS-232 only
Input power	9 to 24 VDC, regulated 5V is also available
Dimension (mm)	65 (W) x 85 (L) x 46 (D)
Storage temperature	-40 °C to 70 °C
Operating temperature	10 °C to 40 °C
Humidity	95 % non condensing

The DUO OEM board is designed to be integrated into customer host system but is not approved by the FDA or by any applicable regulatory bodies. The compulsory approvals needed for the medical or clinical use of the AccuSens product are the customer's responsibility