



MultiSens

Description

The MultiSens is a multi-channel, multi-purpose signal conditioner to be used with any of our interferometric fiber optic sensors, i.e. the WLPI fiber optic sensors, for temperature, pressure, strain, and position measurements. At the heart of the MultiSens is the our White Light Polarization Interferometry (WLPI) technology (patent # 7,259,862) which provides a mean for making accurate and absolute measurements of the path length difference of any type of interferometric fiber optic sensors, whose difference varies according to the measurand of interest.

The MultiSens provides sequential readings over up to 8 measurement channels with a $\pm 0.003\%$ full scale resolution and a $\pm 0.01\%$ full scale precision. It comes with a standard ± 5 Volts output and a RS-232 communication port for real-time data acquisition.

The MultiSens can be controlled directly using the front-panel keypad or remotely using the standard RS-232 interface.

Compatible with all our WLPI sensors, the MultiSens delivers the performances needed for a wide range of critical measurement applications.

Use with our WLPI fiber optic sensors • Pressure • Temperature • Strain • Position

Key features

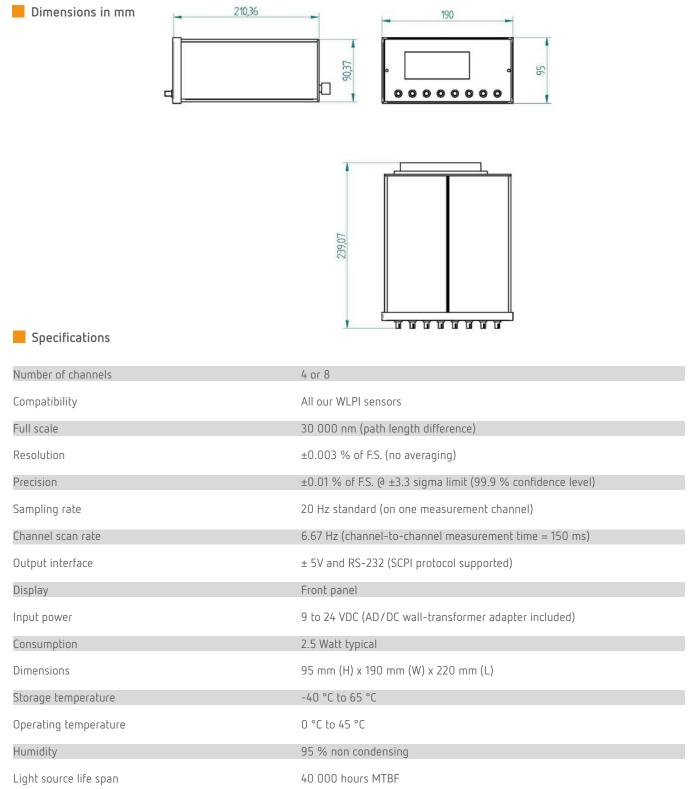
- 4 to 8 channels
- High linearity and precision
- Versatile and easy to use
- 20 Hz sampling rate
- ±5 Volts and RS-232 output interfaces
- Large LCD display
- Compatible with all Opsens' WLPI sensors
- OEM version available

Applications

- General laboratory applications
- · Microwave and food processing
- EMI, RFI and microwave environments
- High voltage environments
- Nuclear and hazardous environments
- Multi-point long-term monitoring







All specifications are subject to change without prior notifications

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Germany/Austria/Switzerland info@althen.de

Benelux sales@althen.nl France info@althensensors.fr Sweden info@althensensors.se USA/Canada info@althensensors.com Other countries info@althensensors.com

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