# Sailing Poland Optoelectronic Systems

# Medical Fiber Optic Temperature Sensor M3300

## Overview

Luxtron's m3300 Biomedical Lab Kit is a rugged fiber optic thermometer designed for demanding medical applications. Ideally suited for laboratory, research, and academic settings requiring precise and repeatable temperature measurements, this kit is based on Luxtron's patented Fluoroptic®. OpSens' optic temperature sensors are perfectly tailored for devices and therapies using energy extremes, high or low. They can also survive radiated environments and are immune to microwave energy. These sensors are designed to be used in broad range of environments, from cryogenic to high. Considering their distinct working principles, there are several types of OFSs, which normally are separated into two classes: (i) extrinsic, where the optical fiber is only a medium to convey light to and from a separate element or space, and (ii) intrinsic, where the optical fiber constitutes the. Opsens offers customized fiber optic temperature sensors and OEM readouts for patient temperature monitoring during MRI, NMR examinations and RF ablation procedures.

## Article Content

Opsens OTG-M170 Gaas-Based Fiber Optic Temperature Sensor

The OTG-M Series are made with industry standard optical fiber and is compatible with all Opsens Solutions'' SCBG signal conditioners. This compact and robust fiber optic temperature sensor is

biomed_0505.qxp

Luxtron''s m3300 Biomedical Lab Kit is a rugged fiber optic thermometer designed for demanding medical applications. Ideally suited for laboratory, research, and academic settings requiring precise

Luxtron M-900 Fiber Optic Temperature Converter

The Luxtron M900 series FluorOptic® Thermometry (FOT) solutions comprise fiber-optic temperature sensors designed to provide precise and repeatable in-situ temperature measurements for control of

Fiber Optic Temperature Sensors

OpSens'' fiber optic temperature sensor is designed to provide accurate real-time temperature monitoring during MR, RF ablation, hyperthermia therapy and electro

Fiber Optic Medical Sensors for Catheter Pressure

Fiber optic medical sensors and readout units for catheter pressure sensors, temperature & force. Miniature, EMI/MRI immune, with standard or

OTP-M Fiber optic temperature sensor

The OTP-M sensor uses the temperature-dependent birefringence of a crystal specially selected for medical applications as the temperature transduction mechanism. Because of the pure

Fiber-optic sensor

A fiber-optic sensor is a sensor that uses optical fiber either as the sensing element ("intrinsic sensors"), or as a means of relaying signals from a remote sensor to the electronics that process the signals

OTG-M170 fiber optic temperature sensor, probe

SCBG-based fiber optic temperature sensor for small and fast response time, demanding industrial environment with high voltage NMR, RF and microwave

Optical Fiber Temperature Sensors and Their Biomedical Applications

This paper reviews achievements in the area of temperature optical fiber sensors, different configurations of the sensors reported over the last five years, and application of this technology in

Fiber optic temperature sensor

The FOT-M is a fi ber optic temperature sensor specifi cally designed for medical applications. The FOT-M temperature sensor combines all the desired

Patient temperature monitoring in MRI and RF environment

Opsens'' OTG-M3000 fiber optic temperature sensor and OEM-MNT solution are designed to be integrated into MR patient monitor. Our robust sensors are offered

Optical Fiber Based Temperature Sensors: A Review

Among all the reported applications, optical waveguides have been widely exploited to measure the physical and chemical variations in the surrounding environment.

Optical temperature sensors

By using gallium arsenide (GaAs) crystals as a sensitive sensor element, these fiber optic temperature sensors deliver precise measurements even in cryogenic low

montage_depliant_recto-23mars-low

FIBER OPTIC TEMPERATURE SENSOR SYSTEM FOR LIFE SCIENCES AND MEDICAL DEVICES Opsens'' intrinsically safe fiber optic temperature sensors are designed to provide accurate real time

Luxtron M3300 Biomedical Lab Kit | Day of Difference

m3300 Biomedical Lab Kit Fluoroptic®Thermometer and STB medical fiber optic probes (LumaSense™ Technologies, Santa Clara, CA USA). The probes, which are immune to electromagnetic

Fiber Optic Temperature sensor for medical device research

Medical device system validation using fiber optic temperature sensor in MR coils, MR scanner, superconductivity cryogenic coils, microfluidics and others.

Optical Fiber-Based MR-Compatible Sensors for Medical Applications:

This paper provides an overview of “MR-compatible” FOS, focusing especially on sensors employed for measuring temperature, force, torque, strain, and position during several medical

DwyerOmega | Shop for Sensing, Monitoring and

Explore DwyerOmega''s comprehensive range of industrial sensing, monitoring, and control solutions from thermocouples to pressure transducers engineered for

OTG-M280 Fiber Optic Temperature Sensor

OpSens'' OTG-M280 fiber optic temperature sensor offers the highest performances in the industry. The OTG-M280 sensor uses the well proven technique based on

Patient temperature monitoring in MRI and RF environment

Opsens high accuracy fiber optic sensors are available in both reusable and cost effective disposable version. Complete immunity to RF, EM, MR and electrical

F LU O R O P T I C® T H E R M O M E T E R

Industry Standard for Fiber Optic Thermometry Luxtron''s m3300 Biomedical Lab Kit is a rugged fiber optic thermometer designed for demanding medical applications. Ideally suited for laboratory,

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: https://sailingpoland.eu
Email: info@sailingpoland.eu
Phone: +48 537 281 940
Address: ul. Puławska 12, 02-566 Warsaw, Poland

This document is for informational purposes only. Specifications subject to change without notice.