

# micronor sensors

**SENSORS  
CONVERGE 2022**  
San Jose, CA  
June 27-29  
Booth 938

POF, Single Mode  
and Multimode FO  
Sensors

## TEMPERATURE

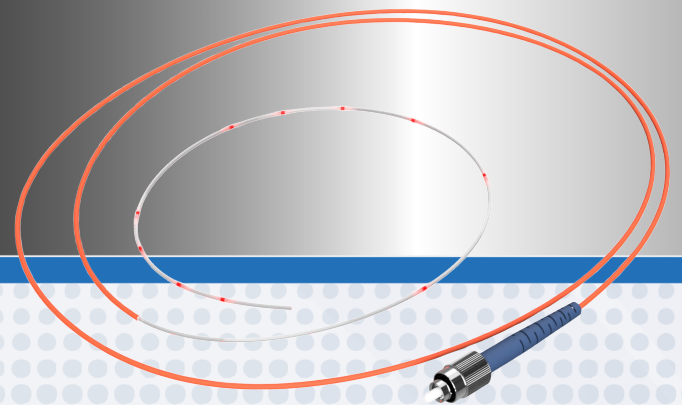


Measurement range -200°C to +300°C,  
e.g. MRI, Microwave Ovens, Switchgear

High Precision GaAs Temperature Probes

## MULTIPOINT STRAIN & TEMPERATURE

Single and multipoint FBGs can  
measure temperature, strain,  
pressure, force or vibration



Fiber Bragg Gratings

## SIGNALING



Remote single & multipoint e-stop and  
limit switch networks provide secure  
links up to 10km

FO Emergency Stop and Microswitch

## POSITION & MOTION

Where immunity to emi, rfi,  
magnetic fields, rf fields, electrical  
isolation, or Ex inherent safety



Absolute and Incremental



FO Rotary and Linear Encoders

### For Sales and Service:

Micronor Sensors, Inc.

2085 Sperry Ave, Suite A-1, Ventura, CA 93003 USA

+1-805-389-6600 or [sales@micronor.com](mailto:sales@micronor.com)

[www.micronor.com](http://www.micronor.com)

### Authorized Stocking Distributor for:

- Weidmann - GaAs FO Temperature Sensors
- FiSens - FBGs and Interrogators
- Micronor - FO Position, Encoders, Emergency Signaling and Acceleration Sensors

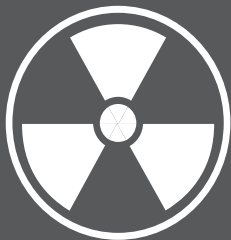


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## FIBER OPTICS IS FOR IMMUNITY TO THESE ENVIRONMENTS



EMI/RFI



RADIATION



HIGH  
VOLTAGE



MAGNETIC  
FIELD



EXTREME  
TEMPERATURE



EXPLOSIVE  
ATMOSPHERE



LONG  
DISTANCE

## FOR APPLICATIONS BEYOND THE CAPABILITIES OF ELECTRONICS



MEDICAL

Non-metallic MRI Safe sensors enable new fMRI functionality and medical device development. Applications include MRI cradle position, MRI phantoms, and MRI-guided biopsy & surgical robots.



ENERGY

Utility and energy applications require immunity to high voltage and all dielectric design. Fiber optic encoders can monitor tap changer position, switchgear state, generator speed, and speed of top drives.



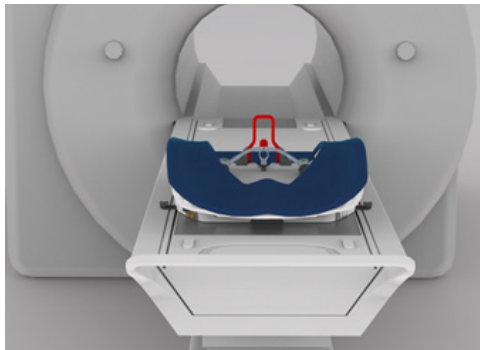
INDUSTRIAL

Industrial applications benefit from fiber's interference-free feedback and inherent safety. Applications include welding robots, smelters, mines, chemical plants, oil rigs, and food processing.

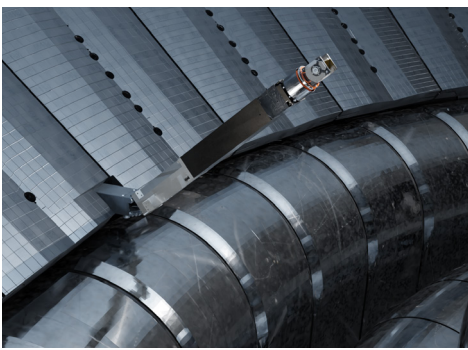


TRANSPORTATION

Electric railways, aerial trams, and aerospace benefit from the passive sensor's electrical isolation and immunity to high voltage & lightning. Missile launcher position feedback requires remote monitoring outside the blast zone.



Polymer Robotics  
MRI-Guided Biopsy Robot



ITER Fusion For Energy  
IVVS Inspection Robot



NASA Sounding Rocket  
Launcher Upgrades



Las Vegas High Roller  
Observation Wheel

## CONTACT MICRONOR SENSORS WITH YOUR REQUIREMENTS

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