

# MEDICAL SYSTEMS AND RESEARCH

## THE OPPORTUNITY

Various medical systems and research applications require the most reliable and highly accurate temperature monitoring solutions.

Medical system suppliers and researchers require reliable FOT sensors to accurately measure in electromagnetic and RF environments. In addition, many of these applications need small and rugged non-metallic fiber optic temperature (FOT) probes.

In order to find the right solution for your specific application, you need an knowledgeable partner with extensive fiber optic temperature monitoring experience.

## OUR SOLUTION

Advanced Energy's Luxtron FOT modules and probes provide reliable monitoring of body and tissue temperature in hospital MRI machines, heart pacemaker and implanted medical device validation applications, and magnetic nanotechnology tumor removal procedures.

Versatility is available via many probes with different diameter and stiffness as well as high performance electronic modules for OEM and research applications.

With more than 40 years of experience providing technical and application support, you can rely on us for your product development and research projects.



## Advanced Energy's Luxtron Fiber Optic Options

- **Reliability** - Our sensors are the ruggedly constructed fiber optic probes designed for the rigors of Medical Equipment and Research applications.
- **Accuracy** - As experts in temperature measurement accuracy, the Luxtron fiber optic temperature monitoring solutions have been optimized to provide the best available thermal response times.
- **Choice** - We offer the m924 OEM module with different configurations for OEM, lab, and research applications, up to 50 Hz per channel sample rate and  $\pm 0.05^{\circ}\text{C}$  accuracy.



Luxtron m924 OEM module

## YOUR BENEFITS

- Higher accuracy testing higher performance devices or critical body temperature
- Faster sampling rate for high speed temperature changes
- High reliability for low failure rates
- Custom probes for specific applications
- Highly experienced technical applications and service support



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PRECISION | POWER | PERFORMANCE

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