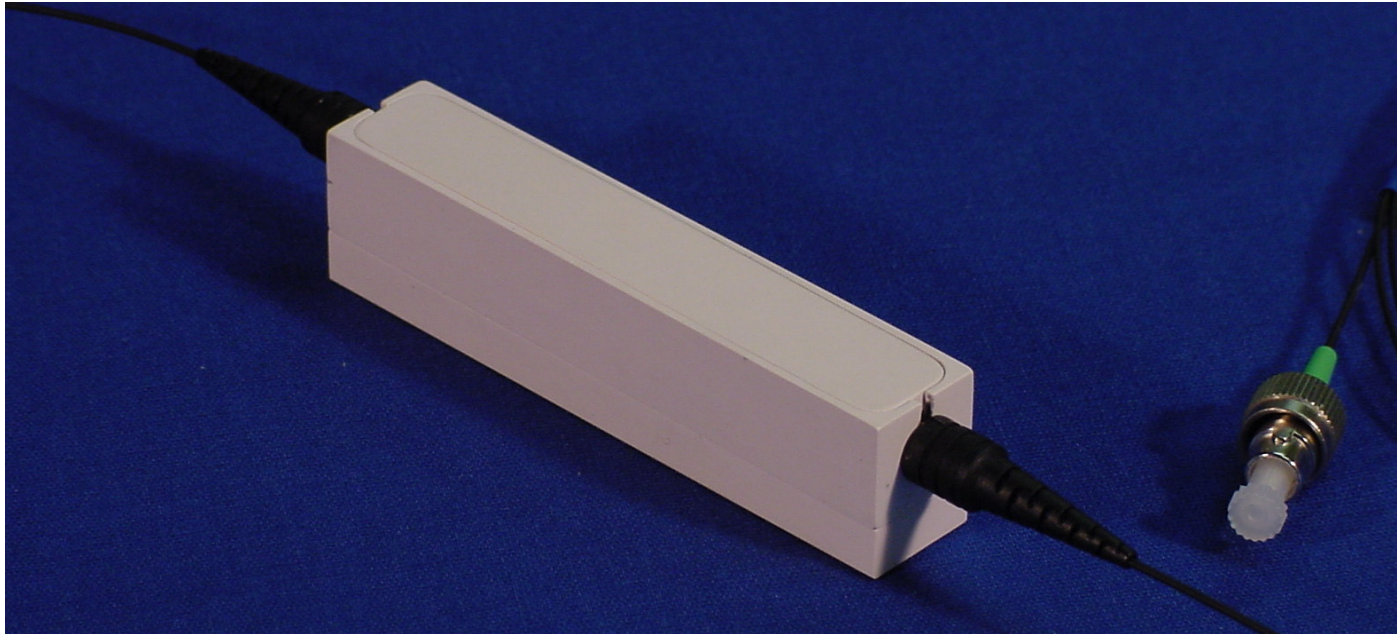




Photonic Electric Field Sensor System

For wideband measurement 200-04

U.S. Patent No.
5,267,336



How does it measure up?

Frequency Range	1 Hz to 2 GHz
E-Field Measurement Range	1 V/m to 5 kV/m
Damage Threshold	> 10 MV/m

What is so special about it?

This product was awarded an R&D-100 Award for one of the most innovative products of the year.

Srico's Photonic Electric Field Sensor uses advanced, patented, optical chip technology to conquer the limitations of sensors that use antennas. Our sensor is electrode-less; therefore, it eliminates the use of an antenna or metal connections that can interfere with accurate measurement and characterization of the electromagnetic environment.

Srico's Photonic Electric Field Sensor can be placed in hostile or remote areas without the need for electrical power at the sensor head. The sensor is packaged with optical fibers for input and output to safely enable remote measurement where electric fields create hazardous or harmful conditions to humans or equipment. The complete instrumentation system includes laser source, optical receiver, and the electric field sensor component.

Our state-of-the-art product features:

- An electrode-less, non-metallic sensor head
- High immunity to electrical noise
- Very wide operational bandwidth
- Wide dynamic range
- High damage threshold
- Remote measurement capability



What does it do?

Srico's Photonic Electric Field Sensor System accurately senses, measures, characterizes, and transmits electromagnetic field data. It is especially useful when accurate measurement is crucial or when measurement is required over a very wide frequency range.

What are some application examples?

- Electromagnetic pulse (EMP) measurement
- High power microwave (HPM) measurement
- High intensity radiated field (HIRF) measurement
- Electromagnetic environment sensing and measurement
- Non-contact circuit board testing

Srico Inc. Who are we?

*We are:
Extending the capabilities and applications of photonic technologies for EMC measurement*

Achieving ultra wide bandwidth and precise unperturbed measurement

Offering improved reliability and unparalleled durability

Srico is a leader in developing optical-chip-based products for superior electrical measurement and signal transmission. Our innovative approach facilitates interference-free, electronic data transmission and unparalleled reliability in measuring electrical signals from DC to 20 GHz and beyond.

Srico's award-winning engineering team brings extensive expertise in integrated optics, electro-optics, optoelectronics, fiber optics, and electrical and electronics engineering. We specialize in component development and customization, as well as systems design, integration, and analysis.

Our growing product line of test and measurement and communications products includes:

- | | |
|------------------------------------|-------------------------------------|
| Optical modulators | Voltage sensors |
| Electric field sensors | Voltage calibration instrumentation |
| Electric field measurement systems | Voltage monitors for power systems |
| Electromagnetic event recorders | Fiber optic links |

Interested?

We'll be happy to provide more information...

For details about **Srico's EMC measurement products and custom solutions**, contact Sri Sriram, (614) 799-0664 or send e-mail to: sri@srico.com.

To learn more about Srico's unique photonic-based sensors and test instrumentation products for high-precision EMC measurement, please visit our web site at: www.srico.com