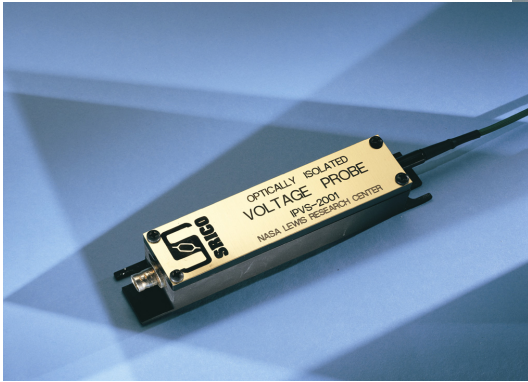




Optical Voltage Probe

For precise voltage measurement
and signal transmission **400-02**

Voltage sensor component



Instrument consisting of laser source and detector

How does it measure up?

	Frequency Range	30 Hz to 100 MHz
1x	Voltage Range	1 mV to 100 mV
10x	Voltage Range	100 mV to 10 V
	Fiber Cable Length	3 meters

What is so special about it?

This product offers precise measurement over a very wide frequency range.

Srico's optical voltage probe uses advanced, proprietary optical chip technology to achieve precise, interference-free measurement. Our sensor and optical fibers are made of dielectric materials. This facilitates a high degree of isolation between the voltage test point and the instrumentation system — at a safe distance of 100 meters and more.

Our state-of-the-art system features:

- An optical-chip-based sensor head
- High immunity to electrical noise
- Wide operational frequency range
- High damage threshold
- Wide measurement range
- Remote measurement capability

This product can also be configured for other frequency ranges and applications from DC to 18 GHz



2724 Sawbury Blvd
Columbus, OH
43235-4579

ph: (614) 799.0664
fx: (614) 799.2116
www.srico.com

How does it work?

This system senses, measures, and transmits electrical data very accurately. It consists of two major components — the instrumentation system and the optical-chip-based sensor. Optical fibers attached to the sensor enable remote measurement of voltage or electric field from a safe distance. For voltage measurement, an electrical cable is connected between the voltage source and the sensor's electrical input connector. Electric field measurement is also possible by connecting an electrical cable between the antenna output connector and the sensor's electrical input connector.

What are some application examples?

- EMC testing
- ESD testing
- Voltage measurement
- Pre-compliance testing
- Aircraft testing

**Srico Inc.
Who are we?**

*We are:
Extending the capabilities and applications of
photonic technologies
for electrical 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 electronic 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:

Interested?

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

For details about **Srico's measurement products and custom solutions**, contact Sri Sriram, 1-800-329-0664 or send e-mail to: sri@srico.com.

To learn more about Srico's unique use of photonic-based sensors and test instrumentation products for high-precision measurement, please visit:

www.srico.com