



**Voltage Isolator Family,  
A6906S, A6909**

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## Voltage Isolation Systems

### A6906S \* A6909

**This product is discontinued.**  
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### Isolator-Overview

#### FEATURES

##### A6906S

- Fiber Optic Separation up to 200 m
- Single Channel
- GPIB
- Battery Powered Transmitter
- High Performance (100 MHz)

##### A6909

- Monolithic
- 2 Channel
- GPIB (Optional)
- Mid Range Performance (60 MHz)

#### APPLICATIONS

- Motor Drives
- Power Supplies
- Electronic Ballast
- UPS Systems
- Switch Mode Control
- Power Semiconductors

### Voltage Isolators

Tektronix offers the most complete line of isolation products to satisfy your high performance floating measurement requirements. The isolation product family includes four isolation instruments which provide a wide range of accurate and safe solutions to your measurement problems.

As discussed in the Floating Measurements overview, we define floating measurements as measurements in which neither reference point is ground. We provide three isolators for making floating measurements - one of which will be the most appropriate to your specific situation. All the isolators are third party safety certified.

#### Monolithic Voltage Isolators

Monolithic voltage isolators provide multiple channels in a convenient portable package. These units are designed to be used next to the measurement instrument where physical separation is not a requirement. Because multiple channels are contained within a single unit, the cost per channel is lower and the circuit/instrument connections are simplified.

### **Isolation Systems**

The A6906S Fiber Optic Isolation System not only provides exceptional isolation performance but the flexibility of physical separation as well. This system consists of a specially designed floating probe connected to a battery powered transmitter unit. The transmitter converts the electrical signal to light which is transmitted via a fiber optic cable to the receiver unit. The receiver unit converts the light back to an electrical signal which is input into the measurement instrument via a 50 Ohm BNC cable. The fiber optic cable not only provides total isolation, but has the advantages of EMI immunity, light weight and flexibility which has made it the standard for state of the art signal transmission.



Tektronix Measurement products are manufactured in ISO registered facilities.



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