

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Stanford Research SR445* at our website: ***Click HERE***

SR445

300 MHz Preamplifier

$ Prices | Add to Cart

- **DC to 300 MHz bandwidth**
- **1.2 ns rise and fall time**
- **Four independent channels**
- **2.8 nV/ÖHz input noise**
- **Voltage gain to 125**
- **50 W input and output impedance**
- **Fast overload recovery**


SR445 Front Panel


SR445 Rear Panel

Datasheet | Manual

Related Products Go

Features

The Model SR445 300 MHz Preamplifier contains four wide-bandwidth, DC-coupled amplifiers, each with a gain of 5. The four channels may be used independently, or up to three may be cascaded to provide a total gain of 125. The fast rise time, low noise and excellent DC accuracy of the SR445 make it an ideal instrument for amplifying the outputs of fast photomultiplier tubes and photodiodes. The SR445 can be used to improve the sensitivity of oscilloscopes, photon counters, boxcar averagers, spectrum analyzers and other high frequency test equipment.

Each channel has an input and output impedance of 50 W. The input impedance of channel 1 can be increased to approximately 500 W by a front-panel switch. This can improve the sensitivity of signals from current and charge output devices, such as photomultiplier tubes. Each channel has a separate offset adjustment allowing you to quickly null DC errors.

Specifications

General

Input	50 W impedance, DC coupled (Channel 1: 50 W or 500 W)
Outputs	50 W (DC coupled)
Operating range	Inputs: ±200 mV, Outputs: ±1.0 V
Voltage gain	5 per channel. Up to 3 channels can be cascaded.
Bandwidth	DC to 300 MHz (-3 dB)
Noise	<50 µVrms referenced to input (2.8 nV/ÖHz)
Stability	10 µV/°C referenced to input (0 to 50 °C)
Input offset	±50 µV (adjustable)
Propagation delay	2.2 ns per channel
Rise/fall time	1.2 ns (single channel)
Recovery time	<4 ns for a 20´ overload
Protection	±3.5 VDC, ±50 V transient
Dimensions	7.7" ´ 2" ´ 6.7 (WHL)
Power	16 W, 100/120/220/240 VAC, 50/60 Hz
Warranty	One year parts and labor on defects in materials and workmanship

Stanford Research Systems, Inc. • 1290-D Reamwood Ave., Sunnyvale, CA 94089
Phone: (408) 744-9040 • Fax: (408) 744-9049 • email: info@thinkSRS.com • www.thinkSRS.com
© Stanford Research Systems, Inc. 2003

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP