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**Data Sheet**
August 12, 2026

STANFORD RESEARCH SYSTEMS

# Stanford Research SR474 Laser Shutter System

The Stanford Research Systems SR474 is a precision laser shutter system designed for accurate and reliable control of laser beams. It features fast switching speeds and can be triggered internally or externally. Ideal for scientific and industrial applications requiring precise light modulation.


| | |
|---|---|
| MODEL<br>Stanford Research Systems SR474 | CALIBRATION<br>Available on request |
| CONDITION<br>Used | STATUS<br>In stock |
| RFQ / SKU<br>SR474 | LISTING<br>https://aumictechlabs.com/products/sr474-2/ |

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

## This unit

The Stanford Research Systems SR474 is a four-channel laser shutter driver that provides independent control of up to four SR470 Series shutter heads. Built for precision optical experimentation, it combines manual front-panel control, external TTL triggering, and remote command interfaces (GPIB, RS-232, Ethernet) in a single instrument. The system minimizes vibration and mechanical noise to preserve optical table stability while delivering microsecond-level timing precision.Technical Specifications Channels: Four independent shutter drivers Compatible Shutter Heads: SR475 and SR476 (SR470 Series) Shutter Blade Material: Beryllium-copper alloy with black oxide finish Blade Control: Closed-loop PID positioning without mechanical stops Bearing: Sapphire jewel Duty Cycle: Unlimited Shutter Head Lifetime: >10 million cycles Insertion Delay Jitter: 10 µs rms typical (at 10 Hz rep rate) SR475 Specifications Clear aperture: ≥0.120 inches (3 mm) Repetition rate: Up to 100 Hz Rise/fall time: 500 µs typical (full-speed) SR476 Specifications Clear aperture: ≥0.039 inches (1 mm) Repetition rate: >125 Hz

Rise/fall time: 750 µs typical (full-speed)Key Features Control Modes: Manual (front-panel buttons), external TTL (rear-panel inputs), remote (GPIB/RS-232/Ethernet) Polarity Configuration: Individually selectable normal open or normal closed via DIP switches Per-Channel Enable: Front-panel enable buttons for each shutter Alignment Mode: 1 Hz dither mode on each channel for laser setup Global Commands: Front-panel Reset and Set buttons control all manually configured channels Fault Detection: Audible and TTL electronic alarms report shutter faults Non-Volatile Memory: Preserves operational state and configuration after power-off Vibration: Ultra-low vibration designElectrical Specifications Input Power: 90–260 VAC, 47–63 Hz Power Consumption: 75 W (SR474 driver) Power Cord: Detachable three-wire with protective groundCompatibility & Integration The SR474 integrates with SR475 and SR476 shutter heads via industry-standard connectors and supports multi-platform control through GPIB, RS-232, and Ethernet remote interfaces.

## Features & description

From manufacturer datasheet

### Technical Specifications

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### Stanford Research Systems SR474 — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Stanford Research Systems SR474. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values Request Calibration → Request Repair Quote →

### Stanford Research Systems SR474 price

This Stanford Research Systems SR474 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

### Stanford Research Systems SR474 calibration cost

NIST-traceable calibration for the Stanford Research Systems SR474 is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

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**Unit notes**

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## SR474 Specifications

| PARAMETER | VALUE |
| --- | --- |
| **Frequency Range** | 47 Hz to 63 Hz \| Voltage / Current Range: 90–260 VAC |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

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Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values

Request Calibration → Request Repair Quote →

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calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

## Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: **sales@aumictech.com** · +1 (484) 841-9341

**Aumictech**
788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
https://aumictechlabs.com

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