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Data Sheet

August 13, 2026

STANFORD RESEARCH SYSTEMS

Stanford Research SR272

Stanford Research SR272 Boxcar Data Acquisition Software The Stanford Research SR272 is Windows-compatible data acquisition and analysis software for the SRS Boxcar system (SR250 Gated Integrator and SR255 Fast Sampler) communicating via the SR245 Computer Interface over GPIB or RS-232. Pulsed laser and low-duty-cycle signal recovery; gate delay scans; boxcar averaging in physics and optics labs; multi-channel gated integration with up to seven channels. The Stanford Research SR272 is Windows-compatible data acquisition and analysis software for the SRS Boxcar system (SR250 Gated Integrator and SR255 Fast Sampler) communicating via the SR245 Computer Interface over GPIB or RS-232. Pulsed laser and low-duty-cycle signal recovery; gate delay scans; boxcar averaging in physics and optics labs; multi-channel gated integration with up to seven channels.



MODEL

Stanford Research Systems SR272

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

SR272

LISTING

<https://aumictechlabs.com/products/sr272-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The SR272 is data acquisition software engineered for pulsed measurement systems using gated integrators and fast samplers. When paired with the SR245 Computer Interface module, it delivers a complete acquisition platform capable of simultaneous multi-channel scanning, automatic logging, and gate delay scans at rates up to 1100 samples/second. The software supports both single and multiple shots per bin with flexible triggering options - internal or external - and accommodates up to seven channels in parallel operation. Data can be acquired using two distinct

averaging strategies: scan averaging or multiple triggers per point averaging. The interface includes multiple graph windows with independent zoom and auto-scale controls, along with standard editing and clipboard operations. Windows-native help documentation is integrated throughout.

Technical Specifications
Sample rate: up to 1100 samples/second
Simultaneous channels: up to 7
Gate delay: fixed or scanning
Triggering: internal or external selectable
Data storage: bitmaps, text files, CGM, MATLAB formats

Key Features
Automatic scan logging with configurable bin architecture
Gate delay scan capability for temporal characterization
Dual averaging modes for noise reduction and signal enhancement
Multi-graph display with independent scaling and zoom tools
Direct editing, cut, and paste operations within the acquisition interface

Typical Applications
Pulsed signal characterization in time-resolved spectroscopy, transient measurements, and gated detection experiments where precise temporal control and multi-point acquisition are required.

Compatibility & Integration
Operates with SR250 Gated Integrator and SR255 Fast Sampler hardware. Requires SR245 Computer Interface module for system operation. Windows environment required.

Features & description

From manufacturer datasheet

Features

- Data acquisition software for SRS Boxcar system

SR272 Characteristics / Specifications

PARAMETER	VALUE
Model	SR272
Manufacturer	Stanford Research Systems
Instrument Type	Data Acquisition Software
Platform	Windows 95/98/ME/NT/2000/XP
Required Hardware	SR245 Computer Interface module
Compatible Modules	SR250 Gated Integrator; SR255 Fast Sampler
Communication	GPIB or RS-232 via SR245
Max Channels	7 simultaneous
Max Sample Rate	1100 samples/s
Gate Delay Scan	supported
Trigger Modes	internal and external
Averaging Modes	scan averaging; multiple shots per bin
Graph Features	multiple graphs, zoom, auto-scale, smoothing, curve fit
Export Formats	bitmap, text, CGM, MATLAB
Remote Commands	send commands to other instruments via SR245
System Type	SRS Boxcar System software (not standalone instrument)
Alias	SR272
Cursor Measurement	on-screen cursors supported
Smoothing	curve smoothing supported
Help System	full Windows help
License Type	software package for Boxcar system
Scan Trigger	internal or external trigger modes
Data Export	bitmap, text, CGM, MATLAB file formats Notes SR272 requires SRS Boxcar hardware (SR245 + SR250/SR255). Notastandalone instrument–software license/package only.
Flexible averaging	scan averaging or multiple triggers per point

SR272 Specifications

PARAMETER	VALUE
Stanford Research SR272 Boxcar Data Acquisition Software	Overview
Technical Specifications	Model: SR272
Notes	SR272 requires SRS Boxcar hardware (SR245 + SR250/SR255). Not a standalone instrument—software license/package only.

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.

Specifications	
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Specifications

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System Type	SRS Boxcar System software (not standalone instrument)
List Price Class	approx. (SRS catalog historical)
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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

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.