

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N1294A

Agilent/Keysight N1294A Overview This listing is a catalog accessory or spare in the Agilent / Keysight catalog. Public OEM literature for this exact SKU does not publish a dense numeric performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate. Applications Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.



MODEL

**Agilent / Keysight
N1294A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N1294A

LISTING

<https://aumictechlabs.com/products/n1294a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N1294A is an accessory module kit that extends the measurement and synchronization capabilities of Keysight B2900A Series Precision Source/Measure Units and B2960A Series Low Noise Power Sources. Comprising specialized adapters, cables, and filters, the N1294A enables sub-nanoampere measurements, instrument triggering, multi-unit synchronization, and noise reduction for precision analog and RF testing. Technical Specifications Banana-Triax Adapters (N1294A-001, N1294A-002): Optimized for measurements below 1 nA; 2-wire and 4-wire Kelvin configurations available Ultra Low Noise Filter (N1294A-021): 42 V, 105 mA; 50-ohm output impedance; output noise 10 μ Vrms (10 Hz to 20 MHz) or 1 nVrms/ $\sqrt{\text{Hz}}$ at 10 kHz Low Noise Filter (N1294A-022): 210 V, 3 A GPIO-BNC Trigger Adapter (N1294A-031): Converts GPIO trigger signals to BNC connectors for cross-instrument synchronization Digital I/O Trigger

Cable (N1294A-032): Enables daisy-chain synchronization of up to four B2900A SMUs via EasyEXPERT group+ software Interlock Cables (N1294A-011, N1294A-012): Dedicated for 16442A/B test fixture integration with safety interlock functionality

Key Features

- Sub-nanoampere measurement capability through dedicated low-current adapters
- Ultra-low output noise performance for demanding analog characterization
- Multi-unit synchronization architecture supporting four-unit daisy-chain configurations
- Flexible trigger signal routing via GPIO-to-BNC conversion
- Test fixture integration with safety interlock compliance

Typical Applications

- High-impedance device characterization below 1 nA
- Low-noise power sourcing for precision analog and RF component validation
- Multi-channel synchronized measurement sequences
- Test fixture automation with safety-critical interlocking

Compatibility & Integration

The N1294A accessory set works with Keysight B2900A Series SMUs (B2901A, B2902A, B2911A, B2912A), B2960A Series Low Noise Power Sources, B2961A/62A Low Noise Power Sources, and Keysight 16442A/B test fixtures.

N1294A Characteristics / Specifications

PARAMETER	VALUE
Model	N1294A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight N1294A
Sku	N1294A
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	N1294A
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity 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.

performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	N1294A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight N1294A
Sku	N1294A
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	N1294A
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

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.