

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

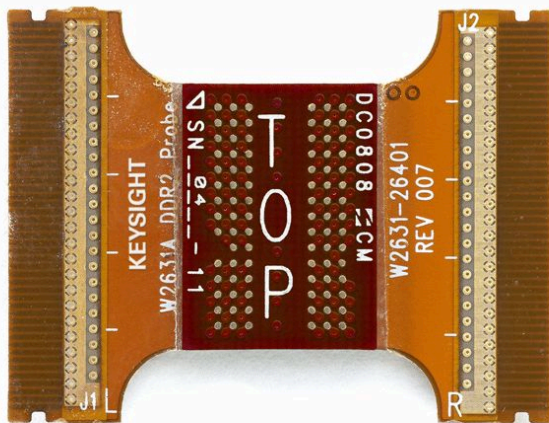
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight W3631A

Agilent/Keysight W3631A 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
W3631A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

W3631A

LISTING

<https://aumictechlabs.com/products/w3631a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight W3631A is a calibration kit engineered for network analyzer systems to establish accurate RF and microwave measurements. It has precision calibration standards that correct systematic errors introduced by test cables, fixtures, and adapters, ensuring measurements are referenced to the desired measurement plane and maintain traceability throughout the test setup. Technical Specifications Calibration kits in this class typically include mechanical standards such as shorts, opens, loads, and thru connections. These standards are fabricated with precise mechanical and electrical characteristics to represent ideal or defined impedance conditions. The kit matches a 50 Ohm impedance standard and is engineered to compensate for systematic measurement errors inherent in RF and microwave test configurations.

Measurement accuracy depends directly on the quality of the calibration standards and the care applied during calibration execution. Data-based models for calibration standards provide superior accuracy compared to polynomial model approaches.

Key Features

- Mechanical calibration standards for network analyzer error correction
- Designed for systematic error compensation in RF/microwave test setups
- Precision-engineered standards representing defined impedance conditions
- Compatible with 50 Ohm network analyzer and device-under-test configurations
- Enables traceable, repeatable measurements across multiple test cycles
- Standards maintain performance when proper calibration procedures are followed

Typical Applications

The W3631A serves network analyzer calibration requirements in RF and microwave measurement labs. It is applied to correct errors introduced by test cables, fixtures, and adapters before Device Under Test characterization. Regular calibration using this kit ensures that network analyzer equipment operates within specified performance parameters.

Compatibility & Integration

Designed for use with Agilent/Keysight network analyzers. Connector type and impedance matching between the calibration kit, network analyzer, and Device Under Test is essential for optimal results. The kit functions as a mechanical calibration solution; electronic calibration (ECal) modules represent an alternative approach for certain applications.

W3631A Characteristics / Specifications

PARAMETER	VALUE
Model	W3631A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight W3631A
Sku	W3631A
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	W3631A
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	W3631A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight W3631A
Sku	W3631A
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	W3631A
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.