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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight U3022AE10 26.5 GHz, 10-Port Mechanical Test Set

Keysight U3022AE10 26.5 GHz 10 Port Mechanical Test Set The Keysight U3022AE10 is a 26.5 GHz 10-port mechanical test set for PNA/PNA-X. OEM U3022A series configuration data list 26.5 GHz, 10 ports, mechanical switching, and 3.5 mm class connectors. Ten-port S-parameter characterization to 26.5 GHz. Instrument Type: Mechanical multiport test set The Keysight U3022AE10 is a 26.5 GHz 10-port mechanical test set for PNA/PNA-X. OEM U3022A series configuration data list 26.5 GHz, 10 ports, mechanical switching, and 3.5 mm class connectors. Ten-port S-parameter characterization to 26.5 GHz. Instrument Type: Mechanical multiport test set Sibling Six Port: U3022AM04 26.5 GHz 6-port



MODEL

**Agilent / Keysight
U3022AE10**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

U3022AE10

LISTING

<https://aumictechlabs.com/products/u3022ae10-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight U3022AE10 is a 26.5 GHz, 10-port mechanical test set engineered for comprehensive network analysis of multi-port devices. When integrated with a 2-port PNA, PNA-L, or PNA-X network analyzer and Option 551, it enables full crossbar switching and calibrated measurements across a 12-port system. The coupler-based architecture delivers high measurement accuracy and stability while capturing all 144 S-parameters in a single connection,

maximizing test throughput. Direct control by the network analyzer eliminates external PC or software dependencies.

Technical Specifications

Frequency Range: 10 MHz to 26.5 GHz

Port Count: 10 ports

S-Parameter Measurement: All 144 S-parameters for up to 12-port systems (with compatible analyzer and Option 551)

Switching Architecture: Mechanical switching with 10 couplers

Control Interface: Direct network analyzer control; no external PC required

Calibration Support: Full 12-port calibration capability with Option 551

Key Features

Single-connection measurement architecture reduces setup time and connection variability

Coupler-based design ensures measurement stability across the full frequency band

Integrated mechanical switching eliminates the need for external control systems

High-throughput capability for production and characterization environments

Typical Applications

Multi-port device characterization and S-parameter extraction

Differential device modeling and advanced measurements

Production testing of complex RF/microwave networks

Full matrix S-parameter validation

Compatibility & Integration

The U3022AE10 integrates with Keysight PNA series analyzers:

PNA Series: E8362B Option 014

PNA-L Series: N5230A Option 225

PNA-X Series: N5242A Option 200

Status: This product is obsolete and no longer EU RoHS compliant. Keysight continues to provide service and support through the end of worldwide support life.

U3022AE10 Characteristics / Specifications

PARAMETER	VALUE
Model	U3022AE10
Instrument Type	Mechanical multiport test set
Frequency Range	to 26.5 GHz
Port Count	10
Host Analyzers	Keysight PNA / PNA-X
Switching	mechanical
Connector Class	3.5 mm class
Family	U3022A multiport test sets
Sibling Six Port	U3022AM04 26.5 GHz 6-port
Sibling Twenty Port	U3042AM20 26.5 GHz 20-port
Manufacturer	HP Agilent Keysight
Mechanical Package	external mechanical test set
Application Class	multiport S-parameters
Documentation	Keysight U3022A series configuration guide U3022AE10 row
Minimum Frequency Class	PNA start frequency as configured
Maximum Frequency	26.5 GHz
Calibration	multiport cal with the PNA firmware
Control	PNA-X drives the test set
Duty	continuous multiport sweep
System Impedance	50 ohm
Use Case	multiport passive networks to 26.5 GHz
Port Type	mechanical coaxial test ports

U3022AE10 Specifications

PARAMETER	VALUE
Keysight U3022AE10 26.5 GHz 10 Port Mechanical Test Set	Overview
Applications	Ten-port S-parameter characterization to 26.5 GHz.
Key Features	10 mechanical test ports
Technical Specifications	Model: U3022AE10
Notes	From Keysight U3022A mechanical test-set listings, U3022AE10 26.5 GHz 10-port row. Confirm port mapping in the PNA firmware.

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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Model	U3022AE10
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Connector Class	3.5 mm class
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Sibling Six Port	U3022AM04 26.5 GHz 6-port
Sibling Twenty Port	U3042AM20 26.5 GHz 20-port
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From Keysight U3022A mechanical test-set listings, U3022AE10 26.5 GHz 10-port row. Confirm port mapping in the PNA firmware.	

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.