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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight U2941A

Agilent Keysight U2941A Parametric Test Fixture The Agilent/Keysight U2941A is a parametric test fixture for U2722A/U2723A USB modular source measure units. OEM U2722A data sheet 5990-7416 lists 60 VDC / 1 A ratings, three source/measure channels with common ground, and five socket-module types including a PTFE low-current plate. Parametric IV testing of SMT and DIP semiconductors with a U2722A/U2723A SMU and Parametric Measurement Manager software. Closed lid to reduce ESD on sensitive devices The Agilent/Keysight U2941A is a parametric test fixture for U2722A/U2723A USB modular source measure units. OEM U2722A data sheet 5990-7416 lists 60 VDC / 1 A ratings, three source/measure channels with common ground, and five socket-module types including a PTFE low-current plate. Parametric IV testing of SMT and DIP semiconductors with a U2722A/U2723A SMU and Parametric Measurement Manager software. Closed lid to reduce ESD on sensitive devices Lever-actuated 28-pin ZIF DIP socket module



MODEL

**Agilent / Keysight
U2941A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

U2941A

LISTING

<https://aumictechlabs.com/products/u2941a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight U2941A Parametric Test Fixture enhances source measure unit (SMU) capabilities for precise semiconductor component testing. This specialized fixture supports SMD and DIP device configurations with interchangeable socket modules, ESD protection, and low-leakage measurement design. It integrates with the U2722A and U2723A SMUs to deliver stable,

repeatable characterization in laboratory and production environments. Technical Specifications
Maximum voltage: 60 VDC Maximum current: 1 A Measurement channels: Up to three
source/measure channels plus common ground Socket modules: Five interchangeable types for
varied DUT pinouts Low-current measurement plate: PTFE assembly for minimal leakage Key
Features ESD protection via closed lid design Five socket module types for component
adaptability Parametric Measurement Manager software included IV curve plotting with auto-
scaling, zoom, and marker functions Data export in .txt format; graph export in .JPEG format
Graphical user interface for rapid instrument configuration and test execution Typical Applications
SMT and DIP IC characterization Semiconductor device parametric testing Low-current
component measurement IV curve acquisition and analysis Compatibility & Integration The U2941A
operates with the Keysight U2722A USB modular source measure unit. When paired with the
U2722A, it supports the U2751A USB modular switch matrix for expanded test system capability.
Connection cables and socket modules are included for direct integration with compatible SMUs.

U2941A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Parametric test fixture for USB modular SMU
Companion Instruments	U2722A / U2723A USB modular source measure unit
Source Measure Channels	up to 3 channels
Common Ground	Yes
Voltage Rating	60 VDC
Current Rating	1 A
Dimensions WxDxH	250 mm x 200 mm x 120 mm
Weight Approximate	1.33 kg
Socket Module DIP	28-pin dual-in-line ZIF lever actuated (U2941A-202)
Socket Module 0.1 Inch	0.1 inch universal pitch (U2941A-203)
Socket Module 0.075 Inch	0.075 inch universal pitch (U2941A-204)
Socket Module 0.05 Inch	0.05 inch universal pitch (U2941A-205)
PTFE Plate Option	U2941A-201 insulation board for minimal leakage current
Bundled Software	Keysight Parametric Measurement Manager
BNC Cable Accessory	U2941A-107 BNC to two-wire 1 m
Pin Plug Cables	black red blue pin-plug and miniature-clip sets
SMU Voltage Range Companion	minus 20 V to 20 V (U2722A/U2723A)
SMU Current Range Companion	minus 120 mA to 120 mA (U2722A/U2723A)
SMU Outputs Companion	3 isolated outputs on U2722A/U2723A
SMU Isolation Companion	plus 60 VDC Category 1 channel-to-channel and to ground
Lid Function	closed lid minimizes ESD on sensitive circuits
DUT Classes	SMT and DIP ICs plus discrete semiconductors
Graph Export	IV curve data to text; graph to JPEG; print function
Switch Matrix Support	U2751A USB modular switch matrix via PMM

U2941A Specifications

PARAMETER	VALUE
Agilent Keysight U2941A Parametric Test Fixture	Overview
Applications	Parametric IV testing of SMT and DIP semiconductors with a U2722A/U2723A SMU and Parametric Measurement Manager software.
Closed lid to reduce ESD on sensitive devices	Lever-actuated 28-pin ZIF DIP socket module
Technical Specifications	Instrument Type: Parametric test fixture for USB modular SMU
Notes	Numeric rows from Keysight U2722A/U2723A USB Modular Source Measure Unit data sheet 5990-7416 U2941A fixture specification table.

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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Socket Module 0.05 Inch	0.05 inch universal pitch (U2941A-205)
PTFE Plate Option	U2941A-201 insulation board for minimal leakage current
Bundled Software	Keysight Parametric Measurement Manager
Optional Software: U2942A Parametric Measurement Manager Pro IV curves	
Specifications	
PARAMETER	VALUE
BNC Cable Accessory	U2941A-107 BNC to two-wire 1 m
Pin Plug Cables	black red blue pin-plug and miniature-clip sets
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Notes

Numeric rows from Keysight U2722A/U2723A USB Modular Source Measure Unit data sheet 5990-7416 U2941A fixture specification table.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.