

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 85031-60001

The Agilent/Keysight 85031-60001 is a 7mm Calibration Kit. It includes an open circuit, a short circuit, and a 50-ohm load. This kit is designed to accurately calibrate network analyzers for measurements in the 0 Hz to 18 GHz frequency range. Essential for ensuring precision in RF and microwave testing.



MODEL

**Agilent / Keysight
85031-60001**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

85031-60001

LISTING

<https://aumictechlabs.com/products/85031-60001-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 85031-60001 is a 7mm calibration kit that delivers the open, short, and load standards required for precise network analyzer calibration and systematic error characterization across DC to 6 GHz. This kit enables engineers to enhance measurement accuracy by compensating for frequency-dependent network analyzer errors using metrology-grade 7mm precision connectors. Technical Specifications Frequency Range: DC to 6 GHz Connector Type: 7mm precision connectors Load Return Loss: ≥ 52 dB (DC to 5 GHz); ≥ 46 dB (5 GHz to 6 GHz) Load Characteristic Impedance: 50 ohms Center Conductor Recession (collet removed): 0.0 to 0.002 inch Open Collet Compressor Recession: 0.0 to 0.001 inch Key Features One 7mm open circuit standard for open-circuit reference characterization One 7mm short circuit standard for short-circuit reference characterization Two 7mm 50-ohm load terminations featuring distributed resistive elements on sapphire for broadband stability Precision-machined standards with tight

control over pin depth to minimize phase error Supplied storage case for protection and maintenance of calibration accuracy Typical Applications Network analyzer calibration for 7mm connector systems Systematic error characterization of 7mm measurement systems Accuracy enhancement procedures for network analyzers Reflection and load calibration measurement workflows Compatibility & Integration This kit integrates with network analyzers supporting 7mm connectors and OSL (open-short-load) calibration procedures. Common applications include the Agilent/Keysight 8753 series network analyzers and equivalent instruments requiring multistandard 7mm calibration.

8503160001 Characteristics / Specifications

PARAMETER	VALUE
Model	85031-60001
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 85031-60001
Sku	85031-60001
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	85031-60001
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

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Model	85031-60001
Brand	Agilent / Keysight
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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	85031-60001
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.