Aumictech
Test & measurement · bought, sold, repaired, calibrated

Data Sheet
August 12, 2026

HP / AGILENT

HP / Agilent 85027A Directional Bridge, 10 MHz to 18 GHz

The HP/Agilent 85027A Directional Bridge is a precision reflection measurement instrument engineered for scalar network analyzer systems operating from 10 MHz to 18 GHz. The device delivers 40 dB directivity and exceptional test port match, enabling accurate S-parameter characterization of microwave components across the full frequency band. Dual detection modesAC (modulated RF at 27.8 kHz) and DC (unmodulated RF) - accommodate both interference-rich environments and modulation-sensitive devices such as gain-controlled amplifiers. Compatibility & Integration Designed for operation with HP/Agilent scalar network analyzers:HP 8757: Supports AC and DC detection modesHP 8756: AC detection modeHP 8755: AC detection mode For SMA device measurements, use with 7 mm to 3.5 mm adapter (typical) across the 10 MHz to 18 GHz range. Aumictech offers NIST-traceable calibration and repair for the HP / Agilent 85027A. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. This HP / Agilent 85027A is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

MODEL HP / Agilent 85027A	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU 85027A	LISTING https://aumictechlabs.com/products/85027a-2/

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

This unit

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Features & description

From manufacturer datasheet

Technical Specifications

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HP / Agilent 85027A — Repair & Calibration Service

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HP / Agilent 85027A price

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HP / Agilent 85027A calibration cost

NIST-traceable calibration for the HP / Agilent 85027A is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

Applications

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Unit notes

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85027A Specifications

PARAMETER	VALUE
Frequency Range	10 MHz to 18 GHz | Power Range (dBm): '+23 dBm | Voltage / Current Range: '+10 Volts

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.

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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
788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
https://aumictechlabs.com

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