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Data Sheet

August 15, 2026

HP / AGILENT

HP / Agilent 35676B REFLECTION/TRANSMISSION TEST KIT

Agilent 35676B 75 Ohm Reflection/Transmission Test Kit The HP 35676B is the 75 Ohm reflection/transmission test kit for HP 3577A and 3577B network analyzers. OEM 35676A/B coverage lists calibrated complex reflection, transmission, and impedance measurements from 5 Hz to 200 MHz. The 35676B test-port impedance is 75 Ohm with 75 Ohm TypeNconnectors. Sibling 35676A is the 50 Ohm kit and isadifferent remaining-queue identity. 75 Ohm reflection, transmission, and impedance measurements with 3577A/B from 5 Hz to 200 MHz. The HP 35676B is the 75 Ohm reflection/transmission test kit for HP 3577A and 3577B network analyzers. OEM 35676A/B coverage lists calibrated complex reflection, transmission, and impedance measurements from 5 Hz to 200 MHz. The 35676B test-port impedance is 75 Ohm with 75 Ohm TypeNconnectors. Sibling 35676A is the 50 Ohm kit and isadifferent remaining-queue identity. 75 Ohm reflection, transmission, and impedance measurements with 3577A/B from 5 Hz to 200 MHz. 75 Ohm reflection/transmission kit for 3577A/B



MODEL

**HP / Agilent
35676B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

35676B

LISTING

<https://aumictechlabs.com/products/35676b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 35676B is a 75 Ohm reflection/transmission test kit engineered for precise S-parameter characterization on HP 3577A and 3577B network analyzers. This test set enables calibrated complex reflection and transmission measurements across 5 Hz to 200 MHz, supporting both single-trace and dual-trace concurrent calibration routines. The 35676B integrates 50 Ohm and 75 Ohm components to interface with the 50 Ohm 3577A analyzer while presenting 75 Ohm test ports to the device under test. Technical Specifications Frequency Range: 5 Hz to 200 MHz Test Port Impedance: 75 Ohms Connector Type: Type N (75 Ohm) Maximum RF Input Power: 0 dBm or less (signal divider to RECEIVER B port) Weight: 1380 g Key Features Dual-trace calibration capability enables reflection and transmission calibration performed simultaneously using both network analyzer traces Transmission calibration via HP 3577A NORMALIZE function with through-connection geometry Direct mechanical mounting of signal divider to HP 3577A mainframe Internal calibration integration with analyzer calibration routines - no external calibration required Reflection measurements (S11, S22) and transmission measurements (S21, S12) with full complex data Impedance parameter extraction in conjunction with network analyzer processing Typical Applications Component S-parameter characterization for passive and active RF devices Filter, amplifier, and antenna circuit performance evaluation Quality control validation against S-parameter specifications Impedance matching verification in subsystem integration Component research and development characterization Compatibility & Integration Designed exclusively for HP 3577A and HP 3577B network analyzers. The signal divider mounts directly to the 3577A; all Type N connectors maintain 75 Ohm system impedance at test ports.

35676B Characteristics / Specifications

PARAMETER	VALUE
Model	35676B
Instrument Type	reflection/transmission test kit
Manufacturer	Hewlett Packard / Agilent
Literature	HP 35676B 75 Ohm reflection/transmission test kit listings with 3577A/B
Frequency Minimum	5 Hz
Frequency Maximum	200 MHz
Test Port Impedance	75 Ohm
Connector Type	Type N 75 Ohm
Host Analyzers	HP 3577A and HP 3577B network analyzers
Measurement Class	calibrated complex reflection, transmission, and impedance
Sibling 50 Ohm	35676A 50 Ohm reflection/transmission test kit (different SKU)
Kit Contents Class	precision resistive divider, 75 Ohm reference load, coaxial short, cables, and hardware as listed for 35676A/B kits
Input Power	not required (passive kit)
Form Factor	benchtop transmission-reflection test set / kit
Brand Lineage	HP / Agilent / Keysight
Ate Class	LF/RF network analysis accessory kit
System Role	add reflection/transmission ports to 3577A/B
User Interface	driven by 3577A/B internal calibration routines
Production End	May 1995 (listed life-cycle date)
Support End	November 2000 (listed life-cycle date)
UI Class	UL compliant as listed on 35676B life-cycle records
Queue Title	HP / Agilent 35676B REFLECTION/TRANSMISSION TEST KIT
Environment Class	benchtop 3577A/B lab use

35676B Specifications

PARAMETER	VALUE
Agilent 35676B 75 Ohm Reflection/Transmission Test Kit	Overview
Applications	75 Ohm reflection, transmission, and impedance measurements with 3577A/B from 5 Hz to 200 MHz.
Key Features	75 Ohm reflection/transmission kit for 3577A/B
Type N 75 Ohm test port	Uses 3577A/B internal calibration routines
Technical Specifications	Model: 35676B

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	35676B
Instrument Type	reflection/transmission test kit
Manufacturer	Hewlett Packard / Agilent
Literature	HP 35676B 75 Ohm reflection/transmission test kit listings with 3577A/B
Frequency Minimum	5 Hz
Frequency Maximum	200 MHz
Test Port Impedance	75 Ohm
Connector Type	Type N 75 Ohm
Host Analyzers	HP 3577A and HP 3577B network analyzers
Measurement Class	calibrated complex reflection, transmission, and impedance
Sibling 50 Ohm	35676A 50 Ohm reflection/transmission test kit (different SKU)
Kit Contents Class	precision resistive divider, 75 Ohm reference load, coaxial short, cables, and hardware as listed for 35676A/B kits
Input Power	not required (passive kit)
Form Factor	benchtop transmission-reflection test set / kit
Brand Lineage	HP / Agilent / Keysight
Ate Class	LF/RF network analysis accessory kit
System Role	add reflection/transmission ports to 3577A/B
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Notes

From HP 35676B 75 Ohm reflection/transmission test kit listings used with 3577A/B. Equivalent-directivity and insertion-loss figures published on some 35676A 50 Ohm pages are not assigned to this 75 Ohm 35676B SKU.

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.