

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N7752A 2-Channel Optical Attenuator and Power Meter

Agilent Keysight N7752A Optical Attenuator with Power Meter 2 Channel The Agilent/Keysight N7752A is an N77 Series compact variable optical attenuator with extra optical power meter channels. OEM N77-Series datasheets specify 1260 nm to 1640 nm single-mode operation with 0 dB to 40 dB attenuation range (45 dB typical). Optical transceiver sensitivity testing, multiport component characterization, and optical network integration / ROADM span simulation. Remote controlled multi channel fiberoptic attenuator The Agilent/Keysight N7752A is an N77 Series compact variable optical attenuator with extra optical power meter channels. OEM N77-Series datasheets specify 1260 nm to 1640 nm single-mode operation with 0 dB to 40 dB attenuation range (45 dB typical). Optical transceiver sensitivity testing, multiport component characterization, and optical network integration / ROADM span simulation. Remote controlled multi channel fiberoptic attenuator Attenuation mode and closed loop power control mode



MODEL

**Agilent / Keysight
N7752A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N7752A

LISTING

<https://aumictechlabs.com/products/n7752a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight N7752A is a compact 2-channel optical attenuator and power meter integrated into a single half-width rack unit. It can offer exceptional performance and space-saving efficiency for

applications such as optical transceiver testing and optical network integration testing. This instrument extends the N77xx-family, establishing a new standard in compact fiber optic instrumentation. Technical Specifications Measurement Capability: Attenuator Settling Time: * Attenuation: 20 ms * Power: 100 ms Attenuation Transition Speed: 0.1 to 1000 dB/s (selectable) Input Power: +23 dBm Insertion Loss: ≤ 1.2 dB Attenuation Range: 45 dB (typical for single-mode) Power Control Mode: Automatically corrects for input power changes to maintain a set output power level Measurement Capability: Power Meter Wavelength Range: 1260-1640 nm Power Range: -80 to +10 dBm Polarization Dependence: <0.01 dB Sensor Element: InGaAs System Capability Channels: Two attenuator channels and two power meter channels Form Factor: Half-width rack unit Compatibility: Fully compatible with programs developed using Keysight 8157x and 8156x modular attenuators User Interface: Includes powerful and user-friendly GUI software Configuration Storage: Two instrument configurations can be stored and recalled Active Power Control: Maintains constant output power Multichannel Operation: Sets and measures multiple ports simultaneously, saving time for multiport and multichannel component characterization Interfaces * Control: LAN, USB, and GPIB Physical * Dimensions: Compact, half-width rack unit Compatibility * Modular Attenuator Compatibility: Fully compatible with programs developed using Keysight 8157x and 8156x modular attenuators Connector Interface System: Optical connections are made with the interchangeable 81000xl connector interface system Applications * Optical transceiver testing Optical network integration testing Why Choose Aumictech for the Keysight N7752A? At Aumictech, we specialize in supplying high-end optical test and measurement equipment. Whether you need to efficiently test optical transceivers, accurately characterize optical network components, or ensure seamless integration in your R&D and manufacturing processes, our team ensures the Keysight N7752A delivers maximum performance for your application.

N7752A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Variable optical attenuator with power meter
Series Family	Keysight N77 Series
Attenuator Channels	2
Fiber Type	9/125 um SMF 28
Wavelength Range	1260 nm to 1640 nm
Attenuation Range	0 dB to 40 dB (45 dB typical)
Attenuation Resolution	0.01 dB
Power Setting Range	minus 50 dBm to plus 20 dBm
Power Setting Resolution	0.01 dB
Relative Power Setting Accuracy	plus or minus 0.05 dB class
Attenuation Settling Time Typical	20 ms for 20 dB step
Power Settling Time Typical	100 ms
Insertion Loss Typical Excluding Connectors	1.2 dB or less at 1550 nm class
Insertion Loss Including Connectors	2.2 dB or less with reference connectors
Attenuation Transition Speed	selectable 0.1 to 1000 dB/s
Maximum Safe Input Power Input Port	plus 23 dBm
Maximum Safe Input Power Output Port	less than plus 18 dBm
Optical Path Blocking Typical	45 dB
Return Loss Typical	45 dB
Monitor Power Meter Relative Uncertainty	plus or minus 0.05 dB plus or minus 300 pW
Monitor Averaging Time	2 ms to 1 s
Connector Options	FC/PC Option 021 or FC/APC Option 022
Dimensions Class	1U half rack about 372 mm x 212 mm x 43 mm
Weight Approximate	3 kg

PARAMETER	VALUE
Line Power	AC 100 to 240 V plus or minus 10 percent 50/60 Hz 60 VA max
Remote Interfaces	LAN USB GPIB
Operating Temperature	plus 5 C to plus 40 C
Extra Power Meter Channels	2
Power Meter Sensor	InGaAs
Power Meter Wavelength Range	1260 nm to 1640 nm
Power Meter Power Range	minus 80 dBm to plus 10 dBm
Power Meter Total Uncertainty	plus or minus 4.5 percent class within one year
Attenuation	Range: 0 dB to 40 dB (45 dB typical)
Return loss	Typical: 45 dB

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	plus 5 C to plus 40 C
Operating Temperature	plus 5 C to plus 40 C
Extra Power Meter Channels	2
Power Meter Sensor	InGaAs
Power Meter Wavelength Range	1260 nm to 1640 nm
Power Meter Power Range	minus 80 dBm to plus 10 dBm
Power Meter Total Uncertainty	plus or minus 4.5 percent class within one year Notes Numeric rows from Agilent/Keysight N77-Series Attenuators datasheet for N7752A single-mode tables.

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	
Specifications	
PARAMETER	VALUE
Instrument Type	Variable optical attenuator with power meter
Series Family	Keysight N77 Series
Attenuator Channels	2
Fiber Type	9/125 um SMF 28
Wavelength Range	1260 nm to 1640 nm
Attenuation Range	0 dB to 40 dB (45 dB typical)
Attenuation Resolution	0.01 dB
Power Setting Range	minus 50 dBm to plus 20 dBm
Power Setting Resolution	0.01 dB
Relative Power Setting Accuracy	plus or minus 0.05 dB class
Attenuation Settling Time Typical	20 ms for 20 dB step
Power Settling Time Typical	100 ms
Insertion Loss Typical Excluding Connectors	1.2 dB or less at 1550 nm class
Insertion Loss Including Connectors	2.2 dB or less with reference connectors
Attenuation Transition Speed	selectable 0.1 to 1000 dB/s
Maximum Safe Input Power Input Port	plus 23 dBm
Maximum Safe Input Power Output Port	less than plus 18 dBm
Optical Path Blocking Typical	45 dB
Return Loss Typical	45 dB
Monitor Power Meter Relative Uncertainty	plus or minus 0.05 dB plus or minus 300 pW
Monitor Averaging Time	2 ms to 1 s
Connector Options	FC/PC Option 021 or FC/APC Option 022
Dimensions Class	1U half rack about 372 mm x 212 mm x 43 mm
Weight Approximate	3 kg
Line Power	AC 100 to 240 V plus or minus 10 percent 50/60 Hz 60 VA max

PARAMETER	VALUE
Remote Interfaces	LAN USB GPIB
Operating Temperature	plus 5 C to plus 40 C
Extra Power Meter Channels	2
Power Meter Sensor	InGaAs
Power Meter Wavelength Range	1260 nm to 1640 nm
Power Meter Power Range	minus 80 dBm to plus 10 dBm
Power Meter Total Uncertainty	plus or minus 4.5 percent class within one year

Notes
Numeric rows from Agilent/Keysight N77-Series Attenuators datasheet for N7752A single-mode tables.

Ordering Information

OPTION	DESCRIPTION
Option 021	or FC/APC Option 022

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>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.