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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N7007A High Temperature Passive Probe, 10:1, 400MHz, 2.0m Cable

Keysight N7007A Extreme Temperature Passive Probe 400 MHz The Agilent/Keysight N7007A is a 10:1 high-impedance passive oscilloscope probe rated for environmental chamber use from minus 40 C to plus 85 C. OEM extreme-temperature probing literature specifies 400 MHz bandwidth, 10 MOhm input, and 2 m cable so the probe tip can remain inside the chamber. Environmental chamber validation of electronics from minus 40 C to plus 85 C, general-purpose high-voltage passive probing on 1 MOhm oscilloscope inputs, and automotive and industrial extreme temperature debug. The Agilent/Keysight N7007A is a 10:1 high-impedance passive oscilloscope probe rated for environmental chamber use from minus 40 C to plus 85 C. OEM extreme-temperature probing literature specifies 400 MHz bandwidth, 10 MOhm input, and 2 m cable so the probe tip can remain inside the chamber. Environmental chamber validation of electronics from minus 40 C to plus 85 C, general-purpose high-voltage passive probing on 1 MOhm oscilloscope inputs, and automotive and industrial extreme temperature debug.



MODEL

**Agilent / Keysight
N7007A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N7007A

LISTING

<https://aumictechlabs.com/products/n7007a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N7007A is a critical accessory meticulously designed to optimize the performance of Keysight signal analyzers. This accessory ensures enhanced connectivity, maintains superior signal integrity, and guarantees seamless integration within complex test and measurement setups. It is an indispensable tool for engineers and technicians who demand precision and reliability in their measurement tasks.

N7007A Characteristics / Specifications

PARAMETER	VALUE
Model	N7007A
Instrument Type	extreme temperature passive probe
Attenuation Ratio	10:1
Bandwidth	400 MHz
Input Resistance At Dc	10 MOhm
Input Capacitance Typical	15.5 pF
Cable Length	2.0 m
Operating Temperature Probe Tip	minus 40 C to plus 85 C
Operating Humidity	less than 90 percent RH at 40 C
Maximum Input Cat li	1000 Vdc plus peak AC
Maximum Input Cat lii	600 V
Oscilloscope Input Compatibility	1 MOhm inputs
Included Accessories Class	hook tip adapters ground leads spring ground tip
Package Style	single ended passive probe
Series Family	Keysight extreme temperature probing
Bandwidth Rating Condition	minus 3 dB
Probe Loading Goal	high impedance low capacitive loading class
Chamber Use Model	tip and accessories inside chamber scope outside
Related Extension Cable Family	N5450B InfiniiMax extreme temperature cable
Related Active Probe Family	N2797A 1.5 GHz extreme temperature active
Related Differential Extension	N7013A extreme temperature differential cable set
Weight Class	handheld passive probe class
Connector To Scope	BNC class 1 MOhm path
Safety Category Ratings	CAT II 1000 V and CAT III 600 V
Attenuation	Ratio: 10:1

PARAMETER	VALUE
Operating temperature	Probe Tip: minus 40 C to plus 85 C
Humidity	less than 90 percent RH at 40 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Probe Tip: minus 40 C to plus 85 C
Operating Temperature	Probe Tip: minus 40 C to plus 85 C
Humidity	less than 90 percent RH at 40 C
Model	N7007A
Instrument Type	extreme temperature passive probe
Attenuation Ratio	10:1
Bandwidth	400 MHz
Input Resistance At Dc	10 MOhm
Input Capacitance Typical	15.5 pF
Cable Length	2.0 m
Operating Temperature Probe Tip	minus 40 C to plus 85 C
Operating Humidity	less than 90 percent RH at 40 C
Maximum Input Cat li	1000 Vdc plus peak AC
Maximum Input Cat Iii	600 V
Oscilloscope Input Compatibility	1 MOhm inputs
Included Accessories Class	hook tip adapters ground leads spring ground tip
Package Style	single ended passive probe
Series Family	Keysight extreme temperature probing
Bandwidth Rating Condition	minus 3 dB
Probe Loading Goal	high impedance low capacitive loading class
Chamber Use Model	tip and accessories inside chamber scope outside
Related Extension Cable Family	N5450B InfiniiMax extreme temperature cable
Related Active Probe Family	N2797A 1.5 GHz extreme temperature active
Related Differential Extension	N7013A extreme temperature differential cable set
Weight Class	handheld passive probe class

PARAMETER	VALUE
Connector To Scope	BNC class 1 MOhm path
Safety Category Ratings	CAT II 1000 V and CAT III 600 V Notes Numeric rows from Keysight Extreme Temperature Probing Solutions data sheet 5990-3504EN and N7007A product specifications for the 400 MHz extreme temperature passive probe.

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.

environmental chamber use from minus 40 C to plus 85 C. OEM extreme-temperature probing literature specifies 400 MHz bandwidth, 10 MOhm input, and 2 m cable so the probe tip can remain inside the chamber.

Applications

Environmental chamber validation of electronics from minus 40 C to plus 85 C, general-purpose high-voltage passive probing on 1 MOhm oscilloscope inputs, and automotive and industrial extreme temperature debug.

Key Features

Minus 40 C to plus 85 C tip operating range

400 MHz bandwidth

10 MOhm high impedance input

1000 V CAT II and 600 V CAT III rating

2 m cable for chamber feedthrough

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	N7007A
Instrument Type	extreme temperature passive probe
Attenuation Ratio	10:1
Bandwidth	400 MHz
Input Resistance At Dc	10 MOhm
Input Capacitance Typical	15.5 pF
Cable Length	2.0 m
Operating Temperature Probe Tip	minus 40 C to plus 85 C
Operating Humidity	less than 90 percent RH at 40 C
Maximum Input Cat Ii	1000 Vdc plus peak AC
Maximum Input Cat Iii	600 V
Oscilloscope Input Compatibility	1 MOhm inputs
Included Accessories Class	hook tip adapters ground leads spring ground tip
Package Style	single ended passive probe
Series Family	Keysight extreme temperature probing
Bandwidth Rating Condition	minus 3 dB
Probe Loading Goal	high impedance low capacitive loading class
Chamber Use Model	tip and accessories inside chamber scope outside
Related Extension Cable Family	N5450B InfiniiMax extreme temperature cable
Related Active Probe Family	N2797A 1.5 GHz extreme temperature active

PARAMETER	VALUE
Related Differential Extension	N7013A extreme temperature differential cable set
Weight Class	handheld passive probe class
Connector To Scope	BNC class 1 MOhm path
Safety Category Ratings	CAT II 1000 V and CAT III 600 V

Notes

Numeric rows from Keysight Extreme Temperature Probing Solutions data sheet 5990-3504EN and N7007A product specifications for the 400 MHz extreme temperature passive probe.

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.