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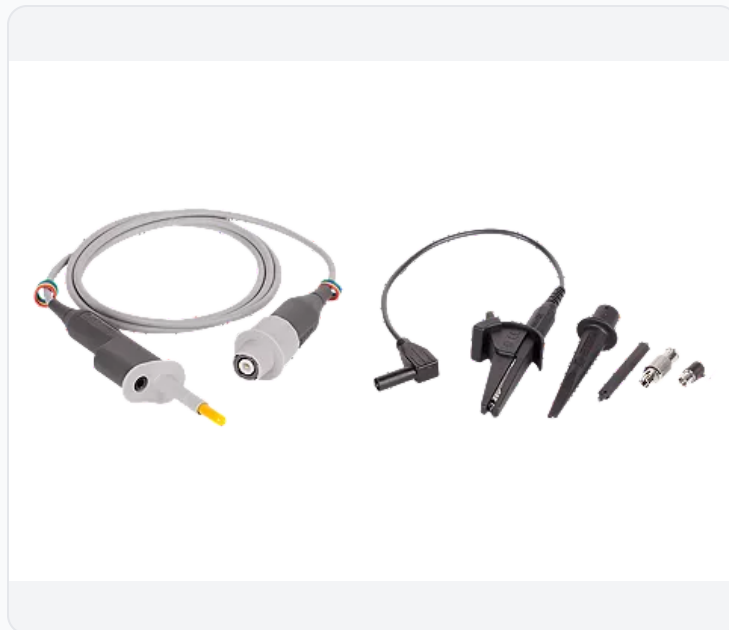
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight U1561B Oscilloscope Probe

HP Agilent Keysight U1561B Scope Probe 10:1 500 MHz CAT III 1000 V The Keysight U1561B is a 10:1 passive probe for Keysight handheld digital oscilloscopes. OEM operating instruction U1561-90102 lists dividing ratio 10:1, input capacitance 12 pF, compensation 10 pF to 25 pF, frequency range 0 to 500 MHz, rise time 1 ns, input impedance 10 MOhm plus or minus 1 percent, 1.20 m lead, 140 g mass, CAT III 1000 V with touch-protected equipment, operating 0 C to 50 C, and non-operating minus 20 C to 70 C. Hook clip is CAT III 1000 V / CAT IV 600 V; ground lead is CAT III 1000 V. The Keysight U1561B is a 10:1 passive probe for Keysight handheld digital oscilloscopes. OEM operating instruction U1561-90102 lists dividing ratio 10:1, input capacitance 12 pF, compensation 10 pF to 25 pF, frequency range 0 to 500 MHz, rise time 1 ns, input impedance 10 MOhm plus or minus 1 percent, 1.20 m lead, 140 g mass, CAT III 1000 V with touch-protected equipment, operating 0 C to 50 C, and non-operating minus 20 C to 70 C. Hook clip is CAT III 1000 V / CAT IV 600 V; ground lead is CAT III 1000 V. 500 MHz 10:1 probing on U1600A handheld DSOs and other 1 MOhm instruments whose inputCis 10 to 25 pF.

**MODEL****Agilent / Keysight
U1561B****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****U1561B****LISTING**<https://aumictechlabs.com/products/u1561b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight U1561B is a passive oscilloscope probe designed for use with Keysight handheld digital oscilloscopes, specifically the U1600A Series. It has enhanced performance with a 500 MHz bandwidth and a 10:1 attenuation ratio. The probe features a safety rating of CAT III

1000V, providing a higher safety rating than its predecessor, the U1561A. Technical Specifications

- * Product Type: Passive Oscilloscope Probe Manufacturer: Keysight Technologies (formerly Agilent) Model Number: U1561B Bandwidth: 500 MHz Attenuation Ratio: 10:1 Input Capacitance: +12 pF Cable Length: 1.2 meters Safety Rating: CAT III 1000V Compatibility: Keysight U1600A Series Handheld Digital Oscilloscopes Input Impedance: 1 M Ω (compatible with instruments having this impedance) Operating Temperature Range: 0°C to 50°C Rise Time: Less than 1 ns

Electrical Characteristics

- * Attenuation: 10:1 Maximum Input Voltage: 1 kV Input Capacitance: +12 pF Input Impedance: 1 M Ω

Physical Characteristics

- * Cable Length: 1.2 m Product Weight: 5.51 LBS Product Height: 10.62 IN Product Length: 2.55 IN

Compatibility

- * Instrument Compatibility: Keysight U1600A Series Handheld Digital Oscilloscopes General Compatibility: Can be used with any test instrument that has an input impedance of 1 M Ω and whose input capacity is within the compensation range.

Documentation

- * User Manual: U1561B Scope Probe 10:1 (.pdf 784.54 KB)
- Datasheet: U1600 Series Handheld Digital Oscilloscopes Datasheet (.pdf 4.01 MB)
- Reference Guide: Important Notice 10:1 Scope Probe Upgrade from U1561A to U1561B (.pdf 619.04 KB)

Product Status

The Keysight U1561B is listed as a discontinued product, though it may still be supported.

Why Choose Aumictech for Keysight U1561B? At Aumictech, we specialize in supplying high-end oscilloscope probe equipment. Whether you need precise 500 MHz bandwidth, a 10:1 attenuation ratio for delicate measurements, or CAT III 1000V safety for demanding applications, our team ensures the Keysight U1561B delivers maximum performance for your application.

U1561B Characteristics / Specifications

PARAMETER	VALUE
Model	U1561B
Instrument Type	Handheld oscilloscope passive probe
Dividing Ratio	10:1
Frequency Range	0 to 500 MHz
Rise Time	1 ns
Input Capacitance	12 pF
Compensation Range	10 pF to 25 pF
Input Impedance	10 MOhm plus or minus 1 percent
Lead Length	1.20 m
Mass	140 g
Rated Voltage Probe	CAT III 1000 V with touch-protected test equipment (frequency derated)
Hook Clip Rating	CAT III 1000 V, CAT IV 600 V
Ground Lead Rating	CAT III 1000 V mini alligator
Operating Temperature	0 C to 50 C
Nonoperating Temperature	minus 20 C to 70 C
Host Input	1 MOhm with inputCinside 10 to 25 pF
Literature	Keysight U1561-90102 Edition 1 April 15, 2016
Manufacturer	HP Agilent Keysight
Related	1 Probe: U1560B 50 MHz CAT III 600 V
Related 1	1 Probe: U1562B 500 MHz 1.2 m
Handheld Family	U1600A series
Predecessor	U1561A lower CAT rating
Brand Lineage	Hewlett Packard Agilent Keysight
Form Factor	handheld scope probe with hook and ground lead
System Role	10:1 voltage probe

PARAMETER	VALUE
Safety Marks	UL C/US listing as stated on U1561-90102
Application Class	handheld DSO 10:1 probing
Duty	indoor handheld use

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 C to 50 C
Operating Temperature	0 C to 50 C
Nonoperating Temperature	minus 20 C to 70 C
Host Input	1 MOhm with inputCinside 10 to 25 pF
Literature	Keysight U1561-90102 Edition 1 April 15, 2016
Manufacturer	HP Agilent Keysight
Related	1 Probe: U1560B 50 MHz CAT III 600 V
Related 1	1 Probe: U1562B 500 MHz 1.2 m
Handheld Family	U1600A series
Predecessor	U1561A lower CAT rating
Brand Lineage	Hewlett Packard Agilent Keysight
Form Factor	handheld scope probe with hook and ground lead
System Role	10:1 voltage probe
Safety Marks	UL C/US listing as stated on U1561-90102
Application Class	handheld DSO 10:1 probing
Duty	indoor handheld use Notes From Keysight U1561B Scope Probe 10:1 operating instruction U1561-90102 (10:1, 12 pF, 10 to 25 pF, 0 to 500 MHz, 1 ns, 10 MOhm plus or minus 1 percent, 1.20 m, 140 g, CAT III 1000 V). Frequency-dependent voltage is on the derating curve in that sheet.

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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Dividing Ratio	10:1
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Compensation Range	10 pF to 25 pF
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PARAMETER	VALUE
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Predecessor	U1561A lower CAT rating
Brand Lineage	Hewlett Packard Agilent Keysight

PARAMETER	VALUE
Form Factor	handheld scope probe with hook and ground lead
System Role	10:1 voltage probe
Safety Marks	UL C/US listing as stated on U1561-90102
Application Class	handheld DSO 10:1 probing
Duty	indoor handheld use

Notes

From Keysight U1561B Scope Probe 10:1 operating instruction U1561-90102 (10:1, 12 pF, 10 to 25 pF, 0 to 500 MHz, 1 ns, 10 MOhm plus or minus 1 percent, 1.20 m, 140 g, CAT III 1000 V). Frequency-dependent voltage is on the derating curve in that sheet.

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 ·
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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.