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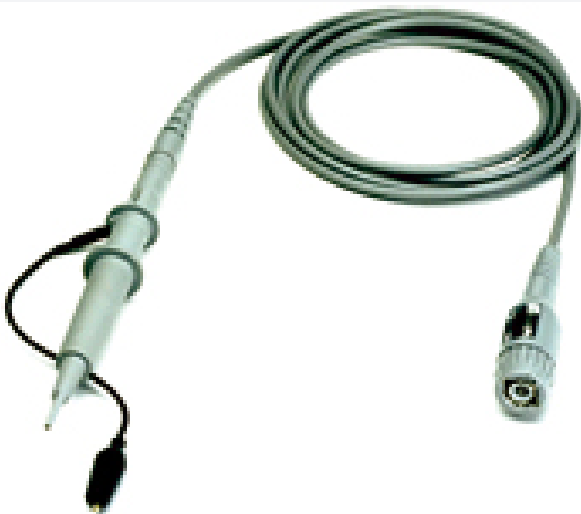
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 10076C

The Keysight 10076C is a 100:1 passive high-voltage probe. OEM 10076C user's guide 10076-92006 and product characteristics list 500 MHz system bandwidth with a 500 MHz oscilloscope, calculated risetime less than 0.7 ns, 66.7 MOhm input resistance into 1 MOhm, approximately 3 pF input capacitance, 3700 Vpk / 2650 Vrms / 2650 Vdc mains-isolated, 1000 Vpk CAT II, 6 to 18 pF compensation, probe readout, and 1.8 m cable with about 8 ns delay. 500 MHz-class switching-converter, GaN/SiC gate-drive, and high-voltage analog measurements on 1 MOhm InfiniiVision, Infiniium S/9000, and 1000/2000/3000/4000/6000 X-Series scopes. HP Agilent Keysight 10076C High Voltage Passive Probe 100:1 3.7 kVpk 500 MHz The Keysight 10076C is a 100:1 passive high-voltage probe. OEM 10076C user's guide 10076-92006 and product characteristics list 500 MHz system bandwidth with a 500 MHz oscilloscope, calculated risetime less than 0.7 ns, 66.7 MOhm input resistance into 1 MOhm, approximately 3 pF input capacitance, 3700 Vpk / 2650 Vrms / 2650 Vdc mains-isolated, 1000 Vpk CAT II, 6 to 18 pF compensation, probe readout, and 1.8 m cable with about 8 ns delay.

**MODEL****Agilent / Keysight
10076C****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****10076C****LISTING**<https://aumictechlabs.com/products/10076c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight 10076C is a 100:1 passive probe engineered for high-voltage measurements up to 3.7 kV peak in demanding test environments. Operating across 500 MHz bandwidth with <0.7 ns risetime, it captures fast transients and high-frequency signal detail while maintaining

measurement accuracy on power electronics and industrial circuits. The probe's 100 M Ω input impedance and ~3 pF capacitance minimize circuit loading. A 1.8 m cable with BNC connector and integrated wear indicator ensures safe, reliable deployment in field and lab settings.

Technical Specifications

Attenuation Ratio: 100:1 Bandwidth: 500 MHz (system bandwidth dependent on oscilloscope when used with ≤ 150 MHz instruments) Risetime (Calculated): <0.7 ns (with 500 MHz oscilloscope) Maximum Input Voltage: 3.7 kV peak (2.6 kV RMS); 4 kV CAT I (mains isolated); 1 kV CAT II (post receptacle mains) Input Resistance: 100 M Ω (1 M Ω oscilloscope input termination) Input Capacitance: ~3 pF Compensation Range: 6–19 pF Cable Length: 1.8 m Propagation Delay: ~8 ns Operating Temperature: 0 °C to 50 °C Humidity: $\leq 90\%$ RH non-condensing Shock Rating: 400g 1/2 sine (tip); 50g 1/2 sine (BNC connector) Altitude: 3000 m (indoor use only) Pollution Degree: 2

Key Features

- High-voltage isolation rated for mains-isolated measurements
- Probe readout capability for direct attenuation indication
- Built-in cable wear indicator - discontinue use if black contrasting color appears
- Rugged, lightweight construction for small component access
- BNC connector for secure oscilloscope coupling

Typical Applications

- Power electronics testing
- High-voltage circuit characterization
- Transient and switching event capture
- Industrial equipment diagnostics

Compatibility & Integration

Compatible with Keysight InfiniiVision and Infiniium oscilloscope series, plus other instruments accepting standard BNC probe connections.

10076C Characteristics / Specifications

PARAMETER	VALUE
Model	10076C
Instrument Type	High voltage passive oscilloscope probe
Attenuation Ratio	100:1
System Bandwidth	500 MHz with 500 MHz bandwidth oscilloscope; oscilloscope bandwidth when host is 150 MHz or less
System Risetime Calculated	less than 0.7 ns with 500 MHz oscilloscope
Input Resistance	66.7 MOhm when terminated into 1 MOhm
Input Capacitance	approximately 3 pF
Maximum Input Mains Isolated	3700 Vpk (2650 Vrms), 2650 Vdc, pollution degree 2
Maximum Input Cat li	1000 Vpk (dc plus ac peak) CAT II post receptacle mains
Compensation Range	6 to 18 pF
Probe Readout	Yes
Cable Length	1.8 m
Propagation Delay	approximately 8 ns
Operating Temperature	0 C to 50 C
Humidity	90 percent RH non-condensing
Shock Tip End	400 g half sine
Shock Bnc End	50 g half sine
Altitude Indoor	3000 m
Accessory Kit	10077A items 1 to 5; N2789A spring ground tip quantity 1
N2789A Spacing	25.2 mm minimum between ground tip and probe tip
Literature	Keysight 10076-92006 June 2018; product 10076C 3.7 kVpk 500 MHz
Manufacturer	HP Agilent Keysight
Predecessor Model	10076B 250 MHz 4 kV CATIHost Termination: 1 MOhm oscilloscope input
Brand Lineage	Hewlett Packard Agilent Keysight

PARAMETER	VALUE
Form Factor	handheld BNC high voltage probe
Bandwidth	500 MHz with 500 MHz bandwidth oscilloscope; oscilloscope bandwidth when host is 150 MHz or less
Attenuation	Ratio: 100:1

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 C to 50 C
Operating Temperature	0 C to 50 C
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Literature	Keysight 10076-92006 June 2018; product 10076C 3.7 kVpk 500 MHz
Manufacturer	HP Agilent Keysight
Predecessor Model	10076B 250 MHz 4 kV CATIHost Termination: 1 MOhm oscilloscope input
Brand Lineage	Hewlett Packard Agilent Keysight
Form Factor	handheld BNC high voltage probe Notes From Keysight 10076C High Voltage Probe User's Guide 10076-92006 (500 MHz, less than 0.7 ns, 66.7 MOhm, 3 pF, 3700 Vpk / 2650 Vrms / 2650 Vdc mains isolated, 1000 Vpk CAT II, 6 to 18 pF, 1.8 m / 8 ns). Product page lists compensation 6 to 19 pF; the user's guide table is 6 to 18 pF. Derating curve and wear-indicator warnings are in the same guide.

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.

characteristics list 500 MHz system bandwidth with a 500 MHz oscilloscope, calculated risetime less than 0.7 ns, 66.7 MOhm input resistance into 1 MOhm, approximately 3 pF input capacitance, 3700 Vpk / 2650 Vrms / 2650 Vdc mains-isolated, 1000 Vpk CAT II, 6 to 18 pF compensation, probe readout, and 1.8 m cable with about 8 ns delay.

Applications

500 MHz-class switching-converter, GaN/SiC gate-drive, and high-voltage analog measurements on 1 MOhm InfiniiVision, Infiniium S/9000, and 1000/2000/3000/4000/6000 X-Series scopes.

Key Features

500 MHz 100:1 high-voltage probing incompact rugged head

Auto probe identification on compatible Keysight oscilloscopes

10077A accessory kit plus N2789A spring ground tip

Wear-indicator cable; 25.2 mm minimum spacing when using N2789A

Compatible with 1000 through S-Series 1 MOhm inputs (N5449A adapter on some Infiniium families)

Technical Specifications

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Attenuation Ratio	100:1
System Bandwidth	500 MHz with 500 MHz bandwidth oscilloscope; oscilloscope bandwidth when host is 150 MHz or less
System Risetime Calculated	less than 0.7 ns with 500 MHz oscilloscope
Input Resistance	66.7 MOhm when terminated into 1 MOhm
Input Capacitance	approximately 3 pF
Maximum Input Mains Isolated	3700 Vpk (2650 Vrms), 2650 Vdc, pollution degree 2
Maximum Input Cat Ii	1000 Vpk (dc plus ac peak) CAT II post receptacle mains
Compensation Range	6 to 18 pF
Probe Readout	Yes
Cable Length	1.8 m
Propagation Delay	approximately 8 ns
Operating Temperature	0 C to 50 C
Humidity	90 percent RH non-condensing
Shock Tip End	400 g half sine
Shock Bnc End	50 g half sine
Altitude Indoor	3000 m

PARAMETER	VALUE
Accessory Kit	10077A items 1 to 5; N2789A spring ground tip quantity 1
N2789A Spacing	25.2 mm minimum between ground tip and probe tip
Literature	Keysight 10076-92006 June 2018; product 10076C 3.7 kVpk 500 MHz
Manufacturer	HP Agilent Keysight
Predecessor Model	10076B 250 MHz 4 kV CAT I
Host Termination	1 MOhm oscilloscope input
Brand Lineage	Hewlett Packard Agilent Keysight
Form Factor	handheld BNC high voltage probe

Technical Specifications

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Model	10076C
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PARAMETER	VALUE
Manufacturer	HP Agilent Keysight
Predecessor Model	10076B 250 MHz 4 kV CATIHost Termination: 1 MOhm oscilloscope input
Brand Lineage	Hewlett Packard Agilent Keysight
Form Factor	handheld BNC high voltage probe

Notes

From Keysight 10076C High Voltage Probe User's Guide 10076-92006 (500 MHz, less than 0.7 ns, 66.7 MOhm, 3 pF, 3700 Vpk / 2650 Vrms / 2650 Vdc mains isolated, 1000 Vpk CAT II, 6 to 18 pF, 1.8 m / 8 ns). Product page lists compensation 6 to 19 pF; the user's guide table is 6 to 18 pF. Derating curve and wear-indicator warnings are in the same guide.

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

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<https://aumictechlabs.com>

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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.