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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 10076B

HP Agilent Keysight 10076B High Voltage Passive Probe 100:1 4 kV 250 MHz The Keysight 10076B is a 100:1 passive high-voltage probe for 1 MOhm oscilloscope inputs. OEM 10076B user's guide 10076-92003 and InfiniiVision probes technical overview list 250 MHz system bandwidth with a 500 MHz scope, calculated risetime less than 1.4 ns, 66.7 MOhm input resistance, approximately 3 pF input capacitance, 4000 V CATI mains-isolated / 1000 V CAT II maximum input, 6 to 18 pF compensation, probe readout, and 1.8 m cable with about 8 ns propagation delay. The Keysight 10076B is a 100:1 passive high-voltage probe for 1 MOhm oscilloscope inputs. OEM 10076B user's guide 10076-92003 and InfiniiVision probes technical overview list 250 MHz system bandwidth with a 500 MHz scope, calculated risetime less than 1.4 ns, 66.7 MOhm input resistance, approximately 3 pF input capacitance, 4000 V CATI mains-isolated / 1000 V CAT II maximum input, 6 to 18 pF compensation, probe readout, and 1.8 m cable with about 8 ns propagation delay. Switch-mode power, motor-drive, and high-voltage analog debug on 1 MOhm InfiniiVision and Infiniium-class scopes where 4 kVpk CATI headroom is required at up to 250 MHz.

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 10076B is a passive high-voltage probe engineered for precision measurement of high-voltage signals across a wide spectrum of electronic test applications.

Operating with a 100:1 attenuation ratio and 250 MHz bandwidth, it delivers sub-1.4 ns risetime performance while maintaining safety margins across multiple voltage categories and mains isolation configurations. The probe's compact design and rugged construction enable reliable operation in laboratory and field environments.

Technical Specifications
Measurement Performance: Attenuation Ratio: 100:1 Bandwidth (-3 dB): 250 MHz System Bandwidth (with 500 MHz oscilloscope): 250 MHz Calculated Rise Time: <1.4 ns Propagation Delay: ~8 ns (1.8 m cable)
Input Characteristics: Input Resistance: 66.7 M Ω (into 1 M Ω oscilloscope input) Input Capacitance: ~3 pF Compensation Range: 6–20 pF Voltage Ratings: 4000 Vpk (CAT I, mains isolated) 3700 Vpk / 2650 Vrms (mains isolated) 2650 Vdc (mains isolated) 1000 Vpk (CAT II, post receptacle mains) 1000 Vpk (dc + ac peak, CAT II)
Physical & Environmental: Cable Length: 1.8 m Connector: BNC Operating Temperature: 0°C to 50°C Humidity: Up to 90% Altitude: 3000 m (indoor use only) Shock Tolerance: 400g, 1/2 sine wave (tip); 50g, 1/2 sine wave (BNC)

Key Features Probe readout capability integrated into connector interface Compact form factor enables probing in space-constrained geometries Field-hardened mechanical design withstands rough handling

Compatibility & Integration The 10076B interfaces with Keysight (Agilent) 1000, 2000 X-, 3000 X-, 4000 X-, 5000, 6000, 7000, 8000, and 9000 Series oscilloscopes.

10076B Characteristics / Specifications

PARAMETER	VALUE
Model	10076B
Instrument Type	High voltage passive oscilloscope probe
Attenuation Ratio	100:1
System Bandwidth	250 MHz with 500 MHz bandwidth oscilloscope; oscilloscope bandwidth when host is 150 MHz or less
System Risetime Calculated	less than 1.4 ns with 500 MHz oscilloscope
Input Resistance	66.7 MOhm when terminated into 1 MOhm
Input Capacitance	approximately 3 pF
Maximum Input Mains Isolated	4000 V CAT I (dc plus peak ac), pollution degree 2
Maximum Input Cat II	1000 V 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	to 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 retractable hook, ground lead, insulation cap, measuring pins, identification tags
Spring Ground Tip	N2789A
Literature	Keysight 10076-92003; probes overview 5968-8153
Manufacturer	HP Agilent Keysight
Successor Model	10076C 500 MHz 3.7 kVpk
Host Termination	1 MOhm oscilloscope input

PARAMETER	VALUE
Brand Lineage	Hewlett Packard Agilent Keysight
Form Factor	handheld BNC high voltage probe
Bandwidth	250 MHz with 500 MHz bandwidth oscilloscope; oscilloscope bandwidth when host is 150 MHz or less
Attenuation	Ratio: 100:1

10076B Specifications

PARAMETER	VALUE
Key Features	Compact 100:1 high-voltage head for small power-electronics pads
Auto probe readout on compatible Keysight oscilloscopes	10077A replacement accessory kit (hook, ground lead, insulation cap, pins, tags)
N2789A spring ground tip ordered separately	Wear-indicator cable jacket; indoor use to 3000 m
Technical Specifications	Model: 10076B

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 C to 50 C
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Accessory Kit	10077A retractable hook, ground lead, insulation cap, measuring pins, identification tags
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Literature	Keysight 10076-92003; probes overview 5968-8153
Manufacturer	HP Agilent Keysight
Successor Model	10076C 500 MHz 3.7 kVpk
Host Termination	1 MOhm oscilloscope input
Brand Lineage	Hewlett Packard Agilent Keysight
Form Factor	handheld BNC high voltage probe Notes From Keysight 10076B High Voltage Probe User's Guide 10076-92003 (250 MHz, less than 1.4 ns, 66.7 MOhm, 3 pF, 4000 V CAT I / 1000 V CAT II, 6 to 18 pF, 1.8 m / 8 ns) and InfiniiVision Oscilloscope Probes and Accessories 5968-8153. Frequency derating of measurable voltage is on the 10076B derating curve; accessory-on-probe combinations are mains-isolated only.

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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Attenuation Ratio	100:1
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System Risetime Calculated	less than 1.4 ns with 500 MHz oscilloscope
Input Resistance	66.7 MOhm when terminated into 1 MOhm
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Maximum Input Mains Isolated	4000 V CAT I (dc plus peak ac), pollution degree 2
Maximum Input Cat Ii	1000 V CAT II post receptacle mains
Compensation Range	6 to 18 pF
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Operating Temperature	0 C to 50 C
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PARAMETER	VALUE
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Form Factor	handheld BNC high voltage probe
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Notes

From Keysight 10076B High Voltage Probe User's Guide 10076-92003 (250 MHz, less than 1.4 ns, 66.7 MOhm, 3 pF, 4000 V CAT I / 1000 V CAT II, 6 to 18 pF, 1.8 m / 8 ns) and InfiniiVision Oscilloscope Probes and Accessories 5968-8153. Frequency derating of measurable voltage is on the 10076B derating curve; accessory-on-probe combinations are mains-isolated only.

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.