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Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) DP0010A Differential Active Probe, 250 MHz

Keysight / Agilent DP0010A Differential Active Probe, 250 MHz The DP0010A is a mid-voltage differential active probe (250 MHz) with AutoProbe1 interface for 50 Ω Keysight scopes. Two auto attenuation ranges ($\sim 17:1$ / $\sim 85:1$) and ± 60 V offset support power-electronics and differential-bus measurements. The DP0010A is a mid-voltage differential active probe (250 MHz) with AutoProbe1 interface for 50 Ω Keysight scopes. Two auto attenuation ranges ($\sim 17:1$ / $\sim 85:1$) and ± 60 V offset support power-electronics and differential-bus measurements.



MODEL

**Keysight / Agilent
DP0010A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DP0010A

LISTING

<https://aumictechlabs.com/products/dp0010a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight DP0010A is a 250 MHz differential active probe designed for precision measurement of differential signals in high-speed digital circuits and communication systems. It delivers 1.35 ns rise time and maintains high input impedance ($1.7 \text{ M}\Omega \parallel 1.5 \text{ pF}$) to minimize loading effects on the circuit under test. The probe operates via the AutoProbe1 interface, which supplies power, DC offset adjustment (± 60 V range), and automatic attenuation configuration synchronized to oscilloscope vertical scaling. Two auto-attenuation modes provide measurement flexibility: 17:1 attenuation for ± 4.2 V peak signals and 85:1 attenuation for ± 42 V peak differential signals,

covering a maximum differential measurement range of ± 42 V DC + AC peak. Technical Specifications Bandwidth: 250 MHz (-3 dB) Input Impedance: $1.7\text{ M}\Omega \parallel 1.5\text{ pF}$ (R_{diff} : $1.7\text{ M}\Omega$, R_{se} : $850\text{ k}\Omega$) Probe Rise Time: 1.35 ns Maximum Differential Measurement Range: ± 42 V (DC + AC peak) Offset Adjustment Range: ± 60 V Auto Attenuation Ranges: $\sim 17:1$ and $\sim 85:1$ Cable Length: 1.3 m Operating Temperature: 5 to 40°C Key Features AutoProbe1 interface integration for automatic oscilloscope configuration Dual attenuation modes for adaptive dynamic range measurement Low input capacitance design preserves signal integrity in high-speed circuits Comprehensive accessory kit: socketed and solder-in Y-lead pairs, ground leads, test clips, and probe tip savers Typical Applications Differential signal measurement in high-speed digital designs Communication system signal characterization Precision AC and DC coupled measurements requiring low loading Compatibility & Integration The DP0010A connects to Keysight InfiniiVision X-Series oscilloscopes (3000T, 4000, 6000 models) and Infiniium platforms including EXR-Series, MXR-Series, S-Series, UXR-Series, V-Series, Z-Series, Q-Series, 90000 X-Series (with N5442A adapter), and InfiniiVision HD3. All compatible instruments require selectable $50\text{ }\Omega$ input terminations and the AutoProbe1 interface.

Features & description

From manufacturer datasheet

Features

• Bandwidth (–3 dB): 250 MHz (warranted) • Rise time (10–90%): 1.35 ns • Auto attenuation: ~17:1 (≤ 2 V/div); ~85:1 (> 2 V/div) • Max differential range: ± 8.4 Vpk (17:1); ± 42 Vpk (85:1) • Absolute max input (each side to ground): 30 VRMS, ± 42 Vpk, or ± 60 VDC (mains isolated, Non-CAT) • Input R/C: $1.7\text{ M}\Omega$ // $\sim 0.9\text{--}1.5\text{ pF}$ between inputs (sheet revisions); $850\text{ k}\Omega$ // $\sim 1\text{--}1.5\text{ pF}$ each side to ground • Offset range: $\pm 60\text{ V}$ • CMRR: -70 dB @ 100 Hz/1 kHz; -65 dB @ 20 kHz; $-30\text{--}-25\text{ dB}$ @ 5 MHz (17:1/85:1) • Noise (probe only): 14 mVRMS (17:1); $\sim 38\text{--}40\text{ mVRMS}$ (85:1) • Interface: AutoProbe I (power, offset, auto-config) • Scope input: $50\text{ }\Omega$

Applications

• Motor drive / power electronics differential measurements • Automotive differential bus probing • General-purpose mid-voltage differential scope probing

DP0010A Characteristics / Specifications

PARAMETER	VALUE
Model	DP0010A
Manufacturer	Keysight / Agilent
Instrument Type	Differential Active Probe
Alias	DP0010A; Keysight DP0010A
Bandwidth	250 MHz
Rise time	1.35 ns
Attenuation	~17:1 / ~85:1
Diff range max	±42 Vpk
Offset	±60 V
Input R	1.7 MΩ
Interface	AutoProbe! Notes Specs from Keysight DP001xA Series Differential Active Probes data sheet / user's guide. Confirm accessory tip kit on the unit.
Bandwidth (–3 dB)	250 MHz (warranted)
Rise time (10–90%)	1.35 ns
Auto attenuation	~17:1 (≤2 V/div); ~85:1 (>2 V/div)
Max differential range	±8.4 Vpk (17:1); ±42 Vpk (85:1)
Absolute max input (each side to ground)	30 VRMS, ±42 Vpk, or ±60 VDC (mains isolated, Non-CAT)
Input R//C	1.7 MΩ // ~0.9–1.5 pF between inputs (sheet revisions); 850 kΩ // ~1–1.5 pF each side to ground
Offset range	±60 V
CMRR	–70 dB @ 100 Hz/1 kHz; –65 dB @ 20 kHz; –30/–25 dB @ 5 MHz (17:1/85:1)
Noise (probe only)	14 mVRMS (17:1); ~38–40 mVRMS (85:1)
Scope input	50 Ω

DP0010A Specifications

PARAMETER	VALUE
Key Features	- Bandwidth (−3 dB): 250 MHz (warranted)
Technical Specifications	Model: DP0010A
Notes	Specs from Keysight DP001xA Series Differential Active Probes data sheet / user’s guide. Confirm accessory tip kit on the unit.

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
Model	DP0010A
Manufacturer	Keysight / Agilent
Instrument Type	Differential Active Probe
Alias	DP0010A; Keysight DP0010A

Specifications

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Bandwidth	250 MHz
Rise time	1.35 ns
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Input R	1.7 MΩ
Interface	AutoProbeI Notes

Specs from Keysight DP001xA Series Differential Active Probes data sheet / user’s guide. Confirm accessory tip kit on the unit.

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.