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Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) DP0011A Differential Active Probe, 500 MHz

Keysight / Agilent DP0011A Differential Active Probe, 500 MHz The DP0011A is the 500 MHz member of the DP001xA mid-voltage differential active probe family with AutoProbe I, dual auto attenuation (~17:1 / ~85:1), and ± 60 V offset. The DP0011A is the 500 MHz member of the DP001xA mid-voltage differential active probe family with AutoProbe I, dual auto attenuation (~17:1 / ~85:1), and ± 60 V offset.



MODEL

**Keysight / Agilent
DP0011A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DP0011A

LISTING

<https://aumictechlabs.com/products/dp0011a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight DP0011A is a 500 MHz differential active probe engineered for precision measurement of differential signals in high-speed circuit analysis. It delivers low loading on the device under test, preserving signal integrity across motor drive, automotive, and digital applications. The probe features dual auto-attenuation ranges (17:1 and 85:1) that adjust automatically based on oscilloscope vertical scaling, a $1.7\text{ M}\Omega$ / 1.5 pF input impedance, and ± 60 V offset adjustment capability. Powered and controlled via AutoProbe1 interface, the DP0011A integrates directly with Keysight's InfiniiVision and Infiniium oscilloscope families, eliminating manual setup and reducing measurement error. Technical Specifications Bandwidth: 500 MHz

Differential Measurement Range: ± 42 V peak (DC and AC) on 85:1 attenuation; ± 8.4 V peak on 17:1 attenuation Input Impedance: $1.7\text{ M}\Omega \parallel 1.5\text{ pF}$ Maximum Input Voltage: 30 Vrms Offset Adjustment Range: ± 60 V Rise Time: 715 ps Cable Length: 1.3 m Key Features Dual auto-attenuation ranges (17:1 / 85:1) scale automatically with oscilloscope settings AutoProbe1 interface provides integrated power, DC offset control, and automatic probe configuration High input impedance minimizes circuit loading and signal distortion ± 60 V offset adjustment for bias point analysis Socketed and solder-in connection options via included Y-lead pairs Typical Applications Motor drive signal analysis Automotive system characterization High-speed digital circuit measurement Differential signal acquisition and debugging Compatibility & Integration The DP0011A connects via AutoProbe1 interface to Keysight InfiniiVision 3000T, 4000, and 6000 X-Series oscilloscopes; Infiniium EXR-, MXR-, and S-Series instruments; and UXR-, V-, Z-, Q-Series, and 90000 X-Series platforms (with N5442A adapter). All compatible scopes feature $50\ \Omega$ input impedance. Supplied with socketed and solder-in Y-leads, ground leads, micro hooks, test clips, and carrying case.

Features & description

From manufacturer datasheet

Features

• Bandwidth (–3 dB): 500 MHz (warranted) • Rise time (10–90%): 715 ps • 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: 30 VRMS / ± 42 Vpk / ± 60 VDC (mains isolated) • Input R//C: 1.7 M Ω class between inputs; 850 k Ω each side to ground • Offset range: ± 60 V • Noise: 14 mVRMS (17:1); ~40 mVRMS (85:1) • Interface: AutoProbe I; 50 Ω scope input

Applications

• Faster differential power and bus measurements than DP0010A • Automotive / industrial differential signaling • Mid-voltage differential probing on 50 Ω AutoProbe scopes

DP0011A Characteristics / Specifications

PARAMETER	VALUE
Model	DP0011A
Manufacturer	Keysight / Agilent
Instrument Type	Differential Active Probe
Alias	DP0011A; Keysight DP0011A
Bandwidth	500 MHz
Rise time	715 ps
Attenuation	~17:1 / ~85:1
Diff range max	±42 Vpk
Offset	±60 V
Interface	AutoProbel Notes Specs from Keysight DP001xA Series data sheet (DP0011A column). Confirm tip accessories on the unit.
Bandwidth (–3 dB)	500 MHz (warranted)
Rise time (10–90%)	715 ps
Auto attenuation	~17:1 (≤ 2 V/div); ~85:1 (> 2 V/div)
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Absolute max input	30 VRMS / ±42 Vpk / ±60 VDC (mains isolated)
Input R//C	1.7 M Ω class between inputs; 850 k Ω each side to ground
Offset range	±60 V
Noise	14 mVRMS (17:1); ~40 mVRMS (85:1)

DP0011A Specifications

PARAMETER	VALUE
Applications	- Faster differential power and bus measurements than DP0010A
Key Features	- Bandwidth (–3 dB): 500 MHz (warranted)
Technical Specifications	Model: DP0011A
Notes	Specs from Keysight DP001xA Series data sheet (DP0011A column). Confirm tip accessories 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	DP0011A
Manufacturer	Keysight / Agilent
Instrument Type	Differential Active Probe
Alias	DP0011A; Keysight DP0011A

Specifications

PARAMETER	VALUE
Bandwidth	500 MHz
Rise time	715 ps
Attenuation	~17:1 / ~85:1
Diff range max	±42 Vpk
Offset	±60 V
Interface	AutoProbeI Notes

Specs from Keysight DP001xA Series data sheet (DP0011A column). Confirm tip accessories 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.