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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) DP0013A Differential Active Probe, 1.7 GHz

Agilent / Keysight DP0013A Differential Active Probe 1.7 GHz The Keysight DP0013A is a 1.7 GHz differential active probe in the DP001xA Series for Keysight oscilloscopes with 50 ohm AutoProbeInterface. It provides auto attenuation ranges of about 17:1 and 85:1, max differential measurement range +/-42 V (DC+AC peak), and offset adjustment to +/-60 V. Input impedance is 1.7 Mohm // about 0.9-1.5 pF between inputs. Rise time is 300 ps (10-90%). High-speed power-related differential measurements; automotive differential bus probing; motor-drive and mid-voltage differential signals; high-speed digital differential debug to 1.7 GHz on AutoProbescopes. The Keysight DP0013A is a 1.7 GHz differential active probe in the DP001xA Series for Keysight oscilloscopes with 50 ohm AutoProbeInterface. It provides auto attenuation ranges of about 17:1 and 85:1, max differential measurement range +/-42 V (DC+AC peak), and offset adjustment to +/-60 V. Input impedance is 1.7 Mohm // about 0.9-1.5 pF between inputs. Rise time is 300 ps (10-90%). High-speed power-related differential measurements; automotive differential bus probing; motor-drive and mid-voltage differential signals; high-speed digital differential debug to 1.7 GHz on AutoProbescopes.



MODEL

**Keysight / Agilent
DP0013A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DP0013A

LISTING

<https://aumictechlabs.com/products/dp0013a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight DP0013A is a 1.7 GHz differential active probe engineered for high-speed power and digital system measurements. It delivers superior signal fidelity in demanding applications including motor drives and automotive differential bus measurements. The probe integrates with Keysight oscilloscopes via the AutoProbe1 interface, which provides power delivery, DC offset adjustment, and automatic attenuation control for streamlined operation.

Technical Specifications
Bandwidth: 1.7 GHz Rise Time: 300 ps Input Impedance: $1.7\text{ M}\Omega$ / 1.5 pF Maximum Differential Measurement Range: $\pm 42\text{ V}$ DC + AC peak (85:1 attenuation); $\pm 4.2\text{ V}$ (17:1 attenuation) Offset Adjustment Range: $\pm 60\text{ V}$ Cable Length: 1.3 meters Operating Temperature: 5 to 40°C

Key Features
Automatic attenuation selection optimizes dynamic range across measurement scales. The 17:1 attenuation engages at vertical settings $\leq 2\text{ V/div}$; 85:1 attenuation activates above 2 V/div . High input impedance ($1.7\text{ M}\Omega$) minimizes loading effects on circuits under test. The probe supports both differential and single-ended measurements from a single probe head. Comprehensive accessory kit includes socketed and solder-in Y-lead pairs, microcircuit hook clips, adjustable probing browsers, and ground leads, packaged in a protective hard case.

Typical Applications
Motor drive analysis, automotive differential bus characterization, power electronics verification, and high-speed digital signal integrity measurements.

Compatibility & Integration
The DP0013A operates with InfiniiVision X-Series oscilloscopes (3000T, 4000, and 6000) and Infiniium models including EXR-, MXR-, S-, UXR-, V-, Z-, Q-, and 90000 X-Series platforms. UXR/V/Z/Q/90000 X-Series instruments require the Keysight N5442A adapter. All compatible scopes must provide selectable $50\text{ }\Omega$ input terminations and AutoProbe1 support. Optional accessories include the DP0020A deskew kit, N2786A XY probe positioner, and N2787A articulating 3D positioner.

Features & description

From manufacturer datasheet

Features

- Warranted bandwidth 1.7 GHz (-3 dB) • Auto attenuation ~17:1 and ~85:1 • Max differential range +/-42 V; offset +/-60 V • AutoProbeInterface (power, offset, auto-config) • Noise about 14 mVrms (17:1) / 38 mVrms (85:1) referenced to input • Accessory ecosystem DP0021A tips/leads; DP0020A deskew/PV kit • Cable length about 1.3 m • Non-CAT mains-isolated probe class

DP0013A Characteristics / Specifications

PARAMETER	VALUE
Model	DP0013A
Manufacturer	Keysight / Agilent
Instrument Type	Differential active probe
Alias	DP0013A; Keysight DP0013A
Auto Attenuation Low Range	about 17:1 (auto at ≤ 2 V/div)
Auto Attenuation High Range	about 85:1 (auto above 2 V/div)
Max Differential Range	1: ± 8.4 V peak
Absolute Max Input each side to ground	30 Vrms, ± 42 Vpeak, or ± 60 VDC (mains isolated)
Offset Adjustment Range	± 60 V
Input Resistance Differential	1.7 Mohm
Input Capacitance Differential Class	about 0.9 to 1.5 pF between inputs
Input Capacitance to Ground Class	about 1.0 to 1.5 pF each side
CMRR 100 Hz / 1 kHz	-70 dB
CMRR 20 kHz	-65 dB
CMRR 5 MHz	-30 dB (17:1); -25 dB (85:1)
Noise Referenced to Input	14 mVrms (17:1); 38 mVrms (85:1)
Scope Interface	AutoProbe I, 50 ohm input coupling
Overvoltage Category	Non-CAT (mains isolated)
Cable Length	about 1.3 m
Series Family	DP001xA (DP0010A/11A/12A/13A) Notes Specs from Keysight DP001xA Series differential active probes data sheet and user guide. Confirm AutoProbeI oscilloscope compatibility and included tip accessories.
Auto attenuation ~17	1 and ~85:1
Noise about 14 mVrms (17	1) / 38 mVrms (85:1) referenced to input
Bandwidth	1.7 GHz (-3 dB) - Auto attenuation ~17:1 and ~85:1
Rise Time	is 300 ps (10-90%).

PARAMETER

VALUE

Attenuation

ranges of about 17:1 and 85:1, max differential measurement range +/-42 V (DC+AC peak), and offset adjustment to +/-60 V. Input impedance is 1.7 Mohm // about 0.9-1.5 pF between inputs. Rise time is 300 ps (10-90%).

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	DP0013A
Manufacturer	Keysight / Agilent
Instrument Type	Differential active probe
Alias	DP0013A; Keysight DP0013A
Bandwidth Warranted (-3 dB): 1.7 GHz	
Probe Rise Time 10-90%: 300 ps	
Auto Attenuation Low Range: about 17:1 (auto at <=2 V/div)	
Auto Attenuation High Range: about 85:1 (auto above 2 V/div)	
Max Differential Range 17:1: +/-8.4 V peak	
Max Differential Range 85:1: +/-42 V peak	
Specifications	
PARAMETER	VALUE
Absolute Max Input each side to ground	30 Vrms, +/-42 Vpeak, or +/-60 VDC (mains isolated)
Offset Adjustment Range	+/-60 V
Input Resistance Differential	1.7 Mohm
Input Resistance Single-ended: 850 kohm	
Specifications	
PARAMETER	VALUE
Input Capacitance Differential Class	about 0.9 to 1.5 pF between inputs
Input Capacitance to Ground Class	about 1.0 to 1.5 pF each side
CMRR 100 Hz / 1 kHz	-70 dB
CMRR 20 kHz	-65 dB
CMRR 5 MHz	-30 dB (17:1); -25 dB (85:1)
Noise Referenced to Input	14 mVrms (17:1); 38 mVrms (85:1)
Scope Interface	AutoProbe I, 50 ohm input coupling
Overvoltage Category	Non-CAT (mains isolated)
Cable Length	about 1.3 m

PARAMETER	VALUE
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Series Family	DP001xA (DP0010A/11A/12A/13A)
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Notes

Specs from Keysight DP001xA Series differential active probes data sheet and user guide. Confirm AutoProbeIscilloscope compatibility and included tip accessories.

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 ·
30-day returns
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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.