

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N7023A Power Rail Probe

Agilent Keysight N7023A Power Rail Probe Browser 350 MHz The Keysight N7023A is the 350 MHz browsing-style accessory for N7020A and N7024A power-rail probes. OEM data sheet 5992-0141EN and N7020A/N7024A user's guide N7020-97005 list 350 MHz bandwidth using the included ground spring, 1:1 browser attenuation, 45 inch browser cable, and 2.5 mm head with SMT clip, twin-lead adapter, and spring-loaded plus rigid tips. Hands-on browsing of DC rails and SMT capacitors when the N7020A/N7024A pigtail or main cable is inconvenient, trading bandwidth for access. The Keysight N7023A is the 350 MHz browsing-style accessory for N7020A and N7024A power-rail probes. OEM data sheet 5992-0141EN and N7020A/N7024A user's guide N7020-97005 list 350 MHz bandwidth using the included ground spring, 1:1 browser attenuation, 45 inch browser cable, and 2.5 mm head with SMT clip, twin-lead adapter, and spring-loaded plus rigid tips. Hands-on browsing of DC rails and SMT capacitors when the N7020A/N7024A pigtail or main cable is inconvenient, trading bandwidth for access.



MODEL

**Agilent / Keysight
N7023A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N7023A

LISTING

<https://aumictechlabs.com/products/n7023a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N7023A power rail probe is a specialized probe designed for accurate measurement of power rails in electronic devices. With a bandwidth of 2.5 GHz, it enables precise

analysis of high-frequency noise and transient events on power lines. Its high sensitivity and low noise characteristics ensure reliable detection of even small voltage variations, crucial for identifying potential power integrity issues. The probe is compatible with various oscilloscopes and provides a valuable tool for engineers working on power supply design, signal integrity, and EMC compliance.

N7023A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Power rail probe browser accessory
Compatible Probes	N7020A and N7024A power rail probes
Probe Bandwidth With Ground Spring	350 MHz (minus 3 dB) using the included ground spring
Browser Attenuation Ratio	1:1 (browser kit listing)
N7020A System Attenuation	11:1 when the N7020A probe is used with the N7023A browser
N7020A Offset Range	plus or minus 24 V
N7020A Input Impedance At Dc	50 kOhm plus or minus 2 percent
N7020A Active Signal Range	plus or minus 850 mV about the offset voltage
N7020A Max Input Voltage	plus or minus 30 V peak mains isolated (non-destructive)
N7020A Rise Time Browser	1.0 ns calculated 10-90 percent with N7023A (5992-0141EN table)
N7024A Probe Bandwidth With Browser	350 MHz
N7024A Max Input Voltage	plus or minus 15 V peak mains isolated
N7024A Offset Range	plus or minus 15.25 V
Output Termination	50 ohm oscilloscope input
Probe Type	single-ended
Browser Cable Length	45 in
Head Diameter	2.5 mm
Browser Operating Temperature	minus 10 C to plus 55 C
Browser Storage Temperature	minus 30 C to plus 70 C
Browser Operating Humidity	up to 80 percent RH at 31 C, decreasing linearly to 40 percent at 50 C
Browser Nonoperating Humidity	up to 85 percent RH
Operating Altitude	4600 m
Nonoperating Altitude	15300 m
Included Tips	replacement spring-loaded and rigid tips
Included Ground	short ground spring for maximum performance

PARAMETER	VALUE
Included Clip	SMT clip for surface-mount capacitors
Twin Lead Adapter	for 0.1 inch pitch 2-pin headers
Literature	Keysight 5992-0141EN and N7020-97005
Bandwidth	With Ground Spring: 350 MHz (minus 3 dB) using the included ground spring
Rise Time	Browser: 1.0 ns calculated 10-90 percent with N7023A (5992-0141EN table)
Attenuation	Ratio: 1:1 (browser kit listing)
Storage temperature	minus 30 C to plus 70 C
Operating temperature	minus 10 C to plus 55 C
Humidity	up to 80 percent RH at 31 C, decreasing linearly to 40 percent at 50 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 30 C to plus 70 C
Operating temperature	minus 10 C to plus 55 C
Operating Temperature	minus 10 C to plus 55 C
Humidity	up to 80 percent RH at 31 C, decreasing linearly to 40 percent at 50 C
Browser Storage Temperature	minus 30 C to plus 70 C
Browser Operating Humidity	up to 80 percent RH at 31 C, decreasing linearly to 40 percent at 50 C
Browser Nonoperating Humidity	up to 85 percent RH
Operating Altitude	4600 m
Nonoperating Altitude	15300 m
Included Tips	replacement spring-loaded and rigid tips
Included Ground	short ground spring for maximum performance
Included Clip	SMT clip for surface-mount capacitors
Twin Lead Adapter	for 0.1 inch pitch 2-pin headers
Literature	Keysight 5992-0141EN and N7020-97005 Notes Browser identity and 350 MHz/1:1/45 in/2.5 mm rows from Keysight N7020A data sheet 5992-0141EN N7023A section. System electrical rows are the N7020A/N7024A user's guide N7020-97005 columns for the probe with N7023A browser. DC input impedance is the only warranted N7020A specification on that 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.

Specifications	
Specifications	
PARAMETER	VALUE
Instrument Type	Power rail probe browser accessory
Compatible Probes	N7020A and N7024A power rail probes
Probe Bandwidth With Ground Spring	350 MHz (minus 3 dB) using the included ground spring
Browser Attenuation Ratio	1:1 (browser kit listing)
N7020A System Attenuation	1.1:1 when the N7020A probe is used with the N7023A browser
N7020A Offset Range	plus or minus 24 V
N7020A Input Impedance At Dc	50 kOhm plus or minus 2 percent
N7020A Active Signal Range	plus or minus 850 mV about the offset voltage
N7020A Max Input Voltage	plus or minus 30 V peak mains isolated (non-destructive)
N7020A Rise Time Browser	1.0 ns calculated 10-90 percent with N7023A (5992-0141EN table)
N7024A Probe Bandwidth With Browser	350 MHz
N7024A Max Input Voltage	plus or minus 15 V peak mains isolated
N7024A Offset Range	plus or minus 15.25 V
Output Termination	50 ohm oscilloscope input
Probe Type	single-ended
Browser Cable Length	45 in
Head Diameter	2.5 mm
Browser Operating Temperature	minus 10 C to plus 55 C
Browser Storage Temperature	minus 30 C to plus 70 C
Browser Operating Humidity	up to 80 percent RH at 31 C, decreasing linearly to 40 percent at 50 C
Browser Nonoperating Humidity	up to 85 percent RH
Operating Altitude	4600 m
Nonoperating Altitude	15300 m
Included Tips	replacement spring-loaded and rigid tips
Included Ground	short ground spring for maximum performance

PARAMETER	VALUE
Included Clip	SMT clip for surface-mount capacitors
Twin Lead Adapter	for 0.1 inch pitch 2-pin headers
Literature	Keysight 5992-0141EN and N7020-97005

Notes
Browser identity and 350 MHz/1:1/45 in/2.5 mm rows from Keysight N7020A data sheet 5992-0141EN N7023A section. System electrical rows are the N7020A/N7024A user's guide N7020-97005 columns for the probe with N7023A browser. DC input impedance is the only warranted N7020A specification on that 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

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.