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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N7041A Rogowski AC Current Probe, 30 MHz, 600 A

Agilent Keysight N7041A Rogowski AC Current Probe 30 MHz 600 A The Keysight N7041A is a clip-around Rogowski AC current probe for 1 MOhm BNC oscilloscope inputs. OEM N7040A/1A/2A user's guide N7040-97000 lists 12 Hz to 30 MHz bandwidth, 600 A peak current, 10 mV/A (100:1) sensitivity, 5 kV peak coil insulation, and positional accuracy typically plus or minus 2 percent. Power-converter diagnostics, MOSFET/IGBT switching, capacitor ripple on large DC, motor-drive harmonics, and confined-space AC current with a 100 mm flexible coil. The Keysight N7041A is a clip-around Rogowski AC current probe for 1 MOhm BNC oscilloscope inputs. OEM N7040A/1A/2A user's guide N7040-97000 lists 12 Hz to 30 MHz bandwidth, 600 A peak current, 10 mV/A (100:1) sensitivity, 5 kV peak coil insulation, and positional accuracy typically plus or minus 2 percent. Power-converter diagnostics, MOSFET/IGBT switching, capacitor ripple on large DC, motor-drive harmonics, and confined-space AC current with a 100 mm flexible coil. Measures AC in the presence of large DC current



MODEL

**Agilent / Keysight
N7041A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N7041A

LISTING

<https://aumictechlabs.com/products/n7041a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N7041A is a test fixture meticulously engineered to provide signal access and probing capabilities. This fixture is an indispensable tool for engineers and technicians

requiring precise and repeatable measurements. Its design minimizes signal distortion, ensuring accurate signal analysis. The N7041A is perfect for various applications, including research and development, validation testing, and manufacturing quality control, enhancing overall testing efficiency and accuracy.

N7041A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Rogowski AC current probe
Series Family	Keysight N7040A / N7041A / N7042A
Lf Bandwidth	12 Hz (minus 3 dB)
Hf Bandwidth	30 MHz (minus 3 dB)
Peak Current	600 A
Droop	11 percent/ms
Peak Di Dt	40 kA/us
Absolute Max Di Dt Peak	100 kA/us peak
Absolute Max Di Dt Rms	1.2 kA/us
Sensitivity	10 mV/A (100:1)
Output Load	greater than or equal to 100 kOhm (1 MOhm scope input)
Calibration	plus or minus 0.2 percent of reading with conductor central in the coil
Positional Accuracy	plus or minus 2 percent variation
Linearity	plus or minus 0.05 percent of reading
Max Noise	10 mVpp
Coil Insulation	5 kV peak
Dc Offset	plus or minus 3 mV maximum at 25 C
Dc Supply Voltage	12 Vdc plus or minus 10 percent
Dc Quiescent Current	60 mA at 12 Vdc
Adapter Mains	100 to 240 VAC, 50 to 60 Hz, 450 mA max at 100 VAC
Coil Length Circumference	100 mm
Coil Thickness	4.5 mm
Coil To Integrator Cable	2.5 m
Output Bnc Cable	0.5 m
Weight Without Batteries	283.4 g (10.0 oz)

PARAMETER	VALUE
Minimum Bend Radius	14 mm
Integrator Operating Temperature	0 C to plus 40 C
Coil Operating Temperature	minus 40 C to plus 125 C
Operating Altitude	3000 m
Installation Category	Category III, pollution degree 2, Cat III 600 V overvoltage transient
Flash Test	8 kVrms for one minute, 50 Hz sine, on 5 kV peak coils
Literature	Keysight N7040-97000 user's guide and N7040A/41A/42A one-pager
Bandwidth	12 Hz (minus 3 dB)
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General Specifications & Supplementary Characteristics

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Literature	Keysight N7040-97000 user's guide and N7040A/41A/42A one-pager Notes Electrical, mechanical, and power rows from Keysight N7040A/1A/2A Rogowski AC Current Probes User's Guide N7040- 97000 model column N7041A. Product page coil length 100 mm and 2.5 m cable (3 m including integrator-to-scope) match the user's-guide mechanical table.

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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Notes

Electrical, mechanical, and power rows from Keysight N7040A/1A/2A Rogowski AC Current Probes User's Guide N7040-97000 model column N7041A. Product page coil length 100 mm and 2.5 m cable (3 m including integrator-to-scope) match the user's-guide mechanical table.

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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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.