NI HIGH-SPEED DIGITIZERS

Product Data Sheet

PCI-5122

100 MHz, 100 MS/s, 14-bit PCI oscilloscope device

FUNCTION	FAMILY	ORIGIN	WEIGHT
100 MHz, 100 MS/s, 14-bit	**NI high-speed digitizers**	**United States**	**0.46 kg**

NI PCI-5122 is a 100 MHz PCI oscilloscope device for the NI high-speed digitizers. The values below are limited to the exact documented article.

01 VERIFIED TECHNICAL DATA

Product Type	PCI oscilloscope and digitizer
Bus Interface	32-bit 33 MHz PCI
Analog Input Channels	Two simultaneously sampled channels
Vertical Resolution	14 bits
Analog Input Connectors	BNC female
Input Impedance	50 ohm or 1 Mohm software selectable
Input Coupling	AC, DC or GND
Full-Scale Input Ranges	0.2 to 20 V peak-to-peak
Analog Bandwidth	100 MHz on ranges above 0.2 V
Rise and Fall Time	3.5 ns on ranges above 0.2 V

02 ADDITIONAL PRODUCT DATA

Real-Time Sample Rate	1.526 kS/s to 100 MS/s
Random Interleaved Sampling	200 MS/s to 2 GS/s
Onboard Memory Options	8, 64 or 256 MB per channel
External Trigger Range	Plus or minus 5 V
External Calibration Interval	Two years

03 OFFICIAL APPLICATIONS

- Avionics and Radar Verification: Flight electronics verification laboratories; radar and electronic warfare test programs
- Electronic Component and Mixed Signal Validation: Semiconductor characterization laboratories; mixed signal design verification
- Power Electronics and Scientific Measurement: Power conversion development laboratories; scientific waveform research facilities

04 SYSTEM COMPATIBILITY

Match PCI-5122 to the installed NI high-speed digitizers, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

05 OFFICIAL SOURCES

NI PXI/PXIe/PCI-5122 Getting Started Guide and PCI-5122 Specifications

https://www.ni.com/docs/en-US/bundle/pci-5122-specs/page/specs.html

AMIKON PRODUCT SUPPORT

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