FIELD INSTALLATION QUICK GUIDE

Installation Instructions

PCI-5122

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

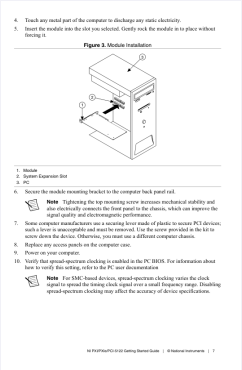

4. Touch any metal part of the computer to discharge any static electricity.
5. Insert the module into the slot you selected. Gently rock the module in to place without forcing it.

Figure 3. Module Installation

1. Module
2. System Expansion Slot
3. PC

6. Secure the module mounting bracket to the computer back panel rail.

Note Tightening the top mounting screw increases mechanical stability and also electrically connects the front panel to the chassis, which can improve the signal quality and electromagnetic performance.

7. Some computer manufacturers use a securing lever made of plastic to secure PCI devices; such a lever is unacceptable and must be removed. Use the screw provided in the kit to screw down the device. Otherwise, you must use a different computer chassis.
8. Replace any access panels on the computer case.
9. Power on your computer.
10. Verify that spread-spectrum clocking is enabled in the PC BIOS. For information about how to verify this setting, refer to the PC user documentation

Note For SMC-based devices, spread-spectrum clocking varies the clock signal to spread the timing clock signal over a small frequency range. Disabling spread-spectrum clocking may affect the accuracy of device specifications.

NI PXI/PCI-5122 Getting Started Guide | © National Instruments | 7

PRODUCT	PCI-5122
FAMILY	NI high-speed digitizers
FUNCTION	100 MHz, 100 MS/s, 14-bit PCI oscilloscope device
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from NI documentation. This guide supplements the complete manufacturer manual and site procedure.

01 CONFIRM THE ORDERED CONFIGURATION

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

02 PREPARATION AND CONNECTION

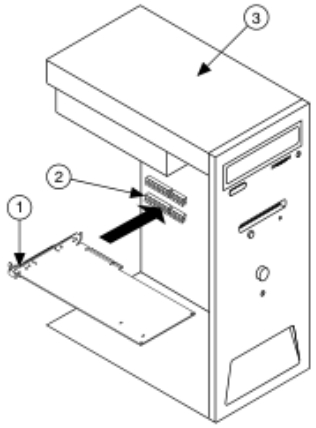
- Confirm the complete PCI-5122 article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

03

OFFICIAL INSTALLATION REFERENCE

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04 COMMISSIONING CHECKS

01	Confirm product identity and mechanical seating.
02	Verify the documented supply before energising.
03	Inspect polarity, shielding and protective-earth connections.
04	Restore power in the approved sequence and observe status indications.
05	Test each connected input, output or communication path.
06	Record diagnostics and functional-test results before return to service.

05 CONTROLLED DOCUMENT

Official source	NI PXI/PXIe/PCI-5122 Getting Started Guide and PCI-5122 Specifications
Product record	PCI-5122
Manufacturer	NI
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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