

Installing VISA for Remote Control

MS2690A/MS2691A/MS2692A
Signal Analyzer

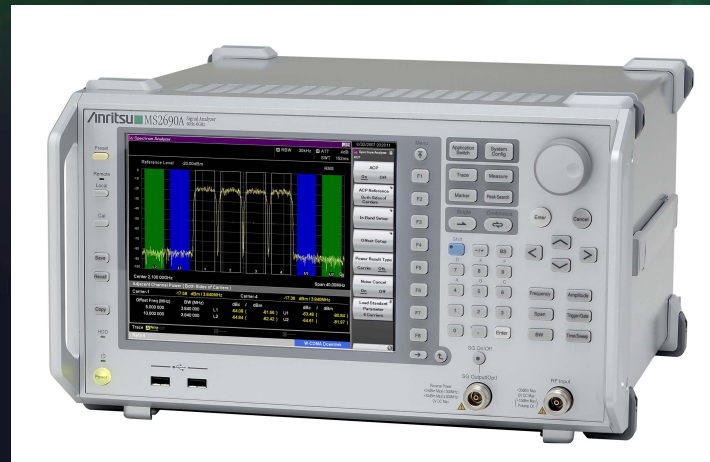
Technical Note

- Installing VISA for Remote Control -

Anritsu

MS2690A / 91A / 92A

Signal Analyzer



March 2009
(1.00)

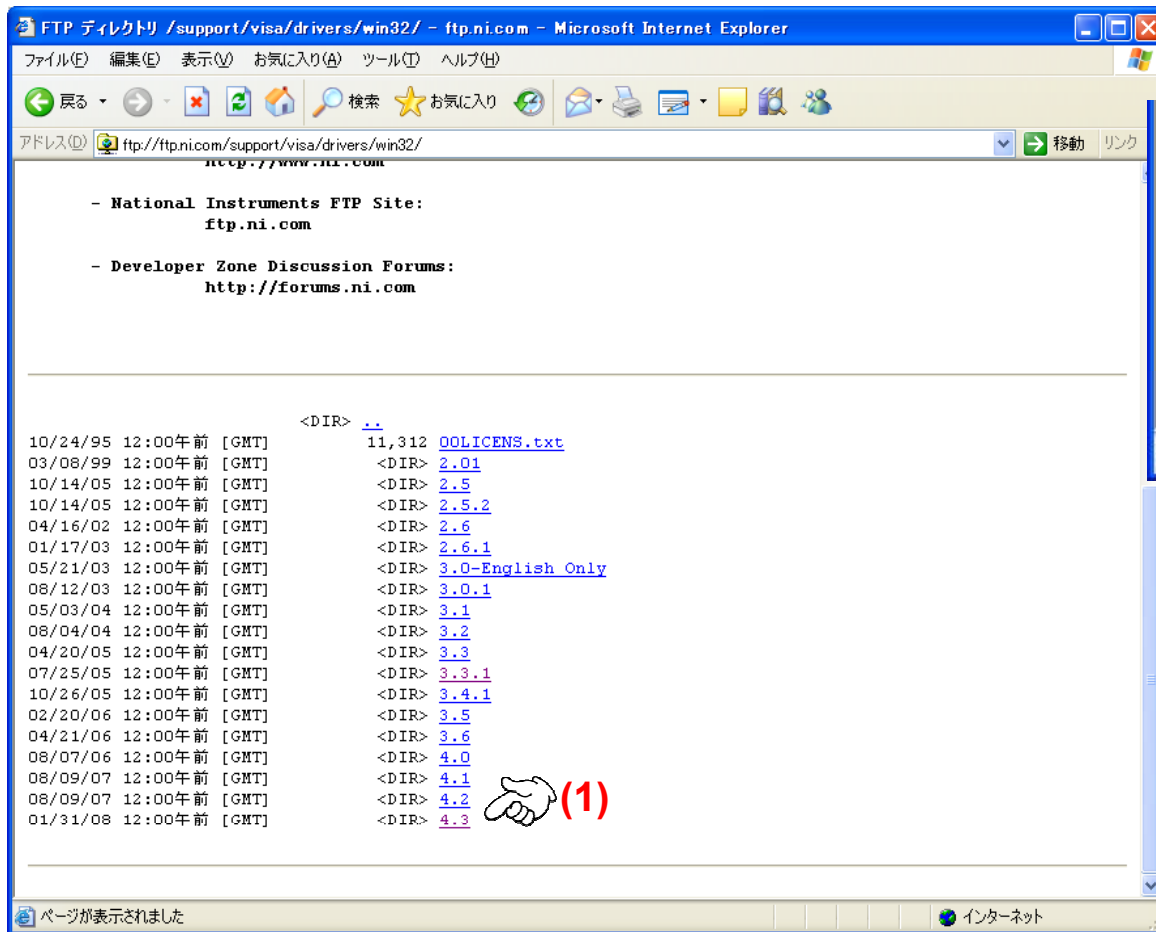
VISA Setup for PC Controller

- **The VISA driver is installed in the PC controller to remote control the MS269xA over GPIB, Ethernet (TCP/IP) or USB.**
 - VISA: Virtual Instrument System Architecture
- **This document describes how to set up NI-VISA.**
 - » Download from NI website.
 - » Install in PC.
 - » Set-up instrument connection.

Download from NI Website

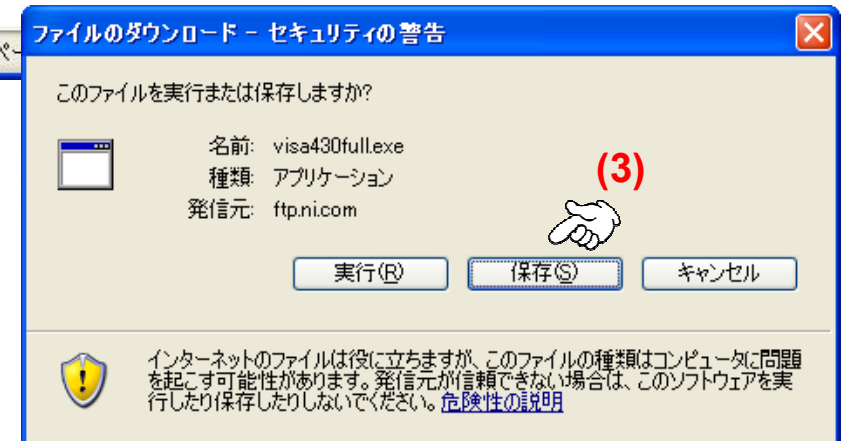
- Download the latest version of NI-VISA from the NI website.

» <ftp://ftp.ni.com/support/visa/drivers/win32/>



```
<DIR> ..
01/21/08 12:00午前 [GMT] 55,817 license.rtf
01/21/08 12:00午前 [GMT] 14,327 patents.txt
01/21/08 12:00午前 [GMT] 60,970 readme.html
01/21/08 12:00午前 [GMT] 317,351,968 visa430full.exe
01/21/08 12:00午前 [GMT] 31,334,432 visa430runtime.exe
```

A hand icon points to the file [visa430full.exe](#), labeled (2).



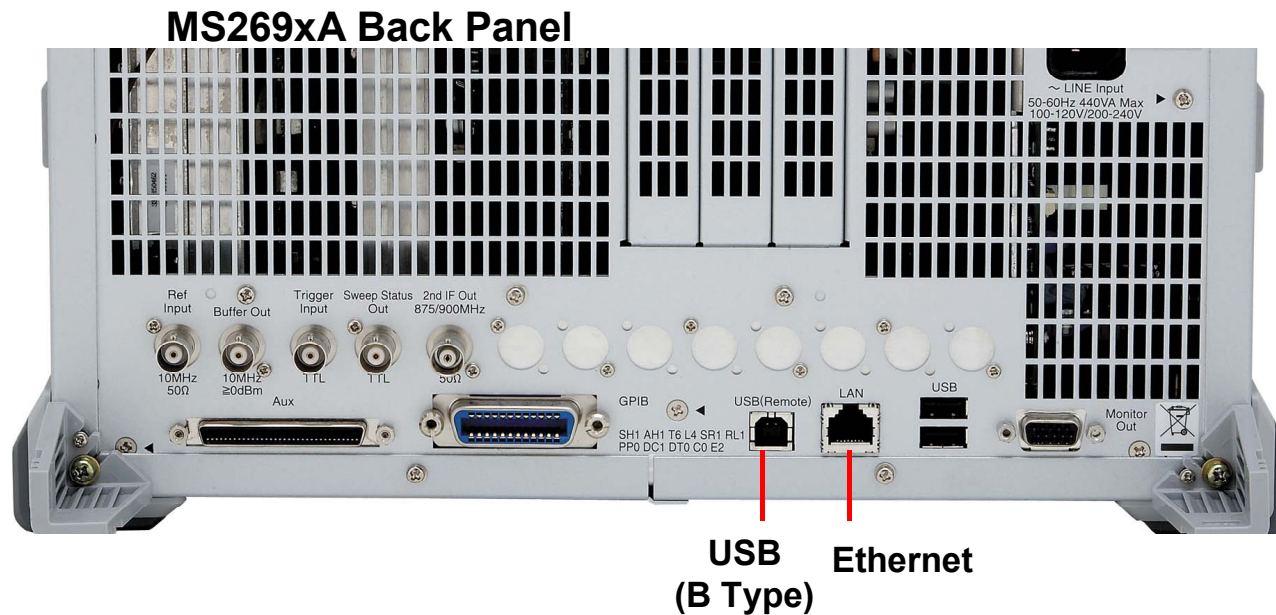
(3) Click Save.

Install in PC

- **Install NI-VISA in the PC controller.**
 - » **Run the downloaded .exe file (visa430full.exe).**

Set-up Instrument Connection

- The USB and Ethernet interfaces are simpler to use than GPIB because most recent PC models have them.
- This document describes how to connect with an instrument over USB or Ethernet.



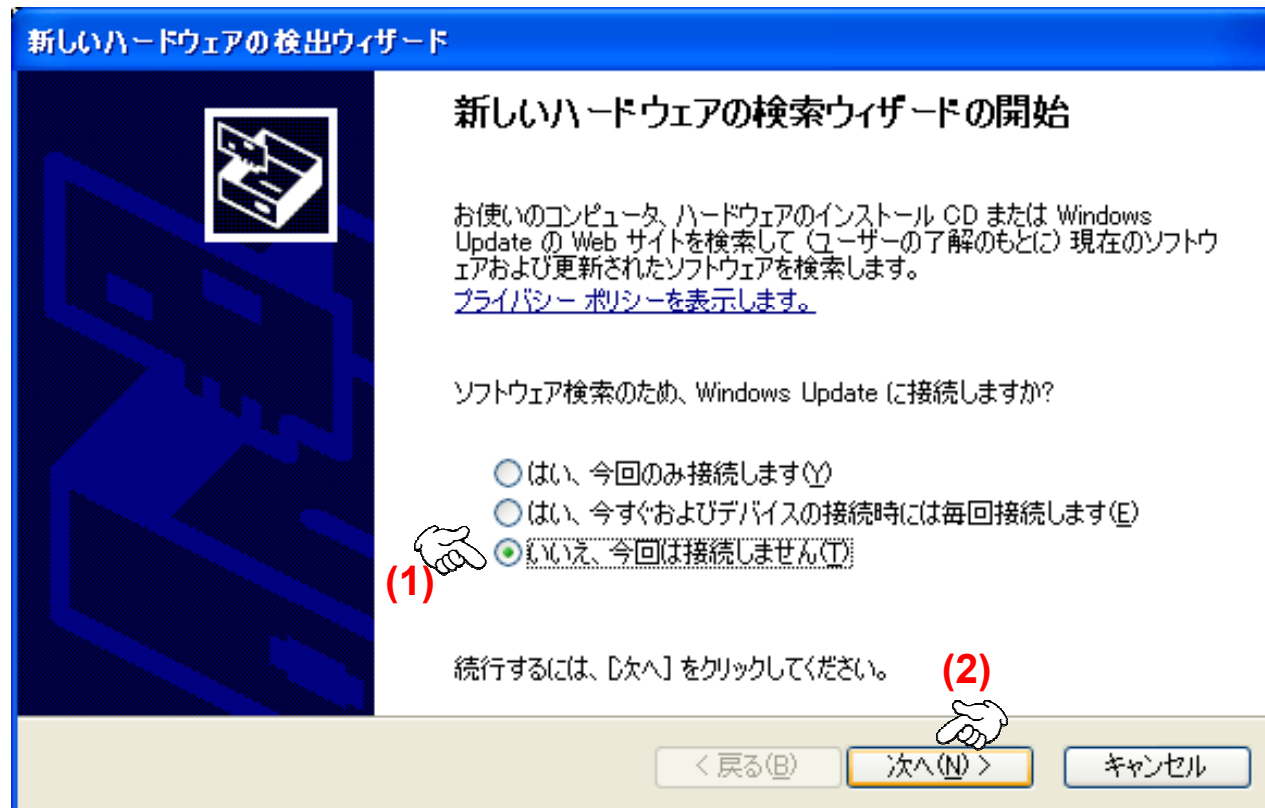
Set to Connect with Instrument over USB

- **Connect the correct USB cable between the MS269xA and PC controller.**



Set to Connect with Instrument over USB

- **Found New Hardware Wizard**
 - » The Windows Found New Hardware Wizard is displayed automatically after making the USB connection.



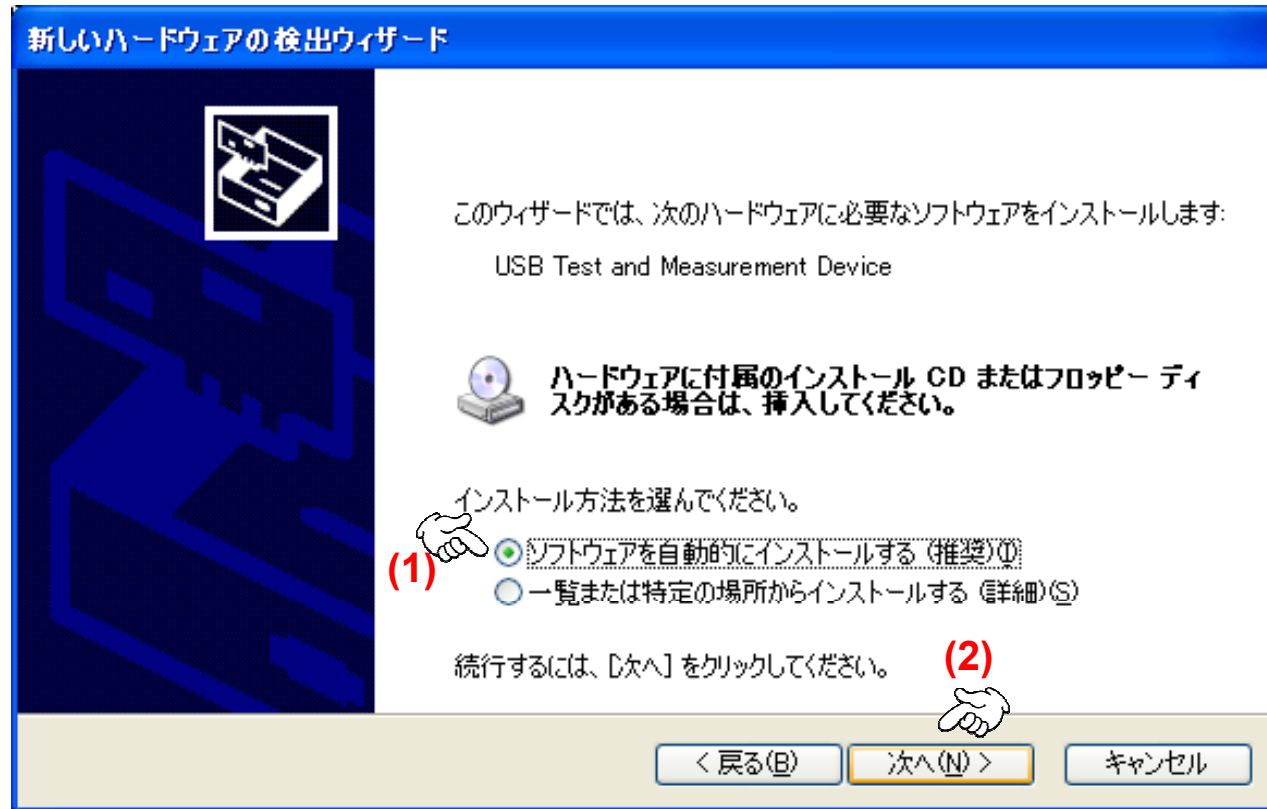
Do you want to connect to Windows Update to search for software?

(1) Select No, not now.

(2) Click Next.

Set to Connect with Instrument over USB

- **Software Install Wizard**



Choose the installation method.

(1) Select Install the software automatically. (Recommended)

(2) Click Next.

Set to Connect with Instrument over USB

- **New Software Installed**



(1) Click Finish.

Set to Connect with Instrument over USB

- **Confirming Created VISA USB Resource**
 - » **Start  Measurement & Automation.**



Set to Connect with Instrument over Ethernet

- **Set the MS269xA IP address at Network Connection in Windows on the MS269xA.**
 - » **Example**
 - **IP Address:**
 - 172.16.76.100
 - **Subnet Mask:**
 - 255.255.255.0
- **Set the IP address of the PC controller.**
 - » **Example**
 - **IP Address:**
 - 172.16.76.XXX. (XXX is an integer other than 100.)
 - **Subnet Mask:**
 - 255.255.255.0
- **Connect the MS269xA and PC controller using a LAN cable (**cross**).**

Set to Connect with Instrument over Ethernet

- **Set NI-VISA using Measurement & Automation Explorer (MAX) to connect the instrument.**

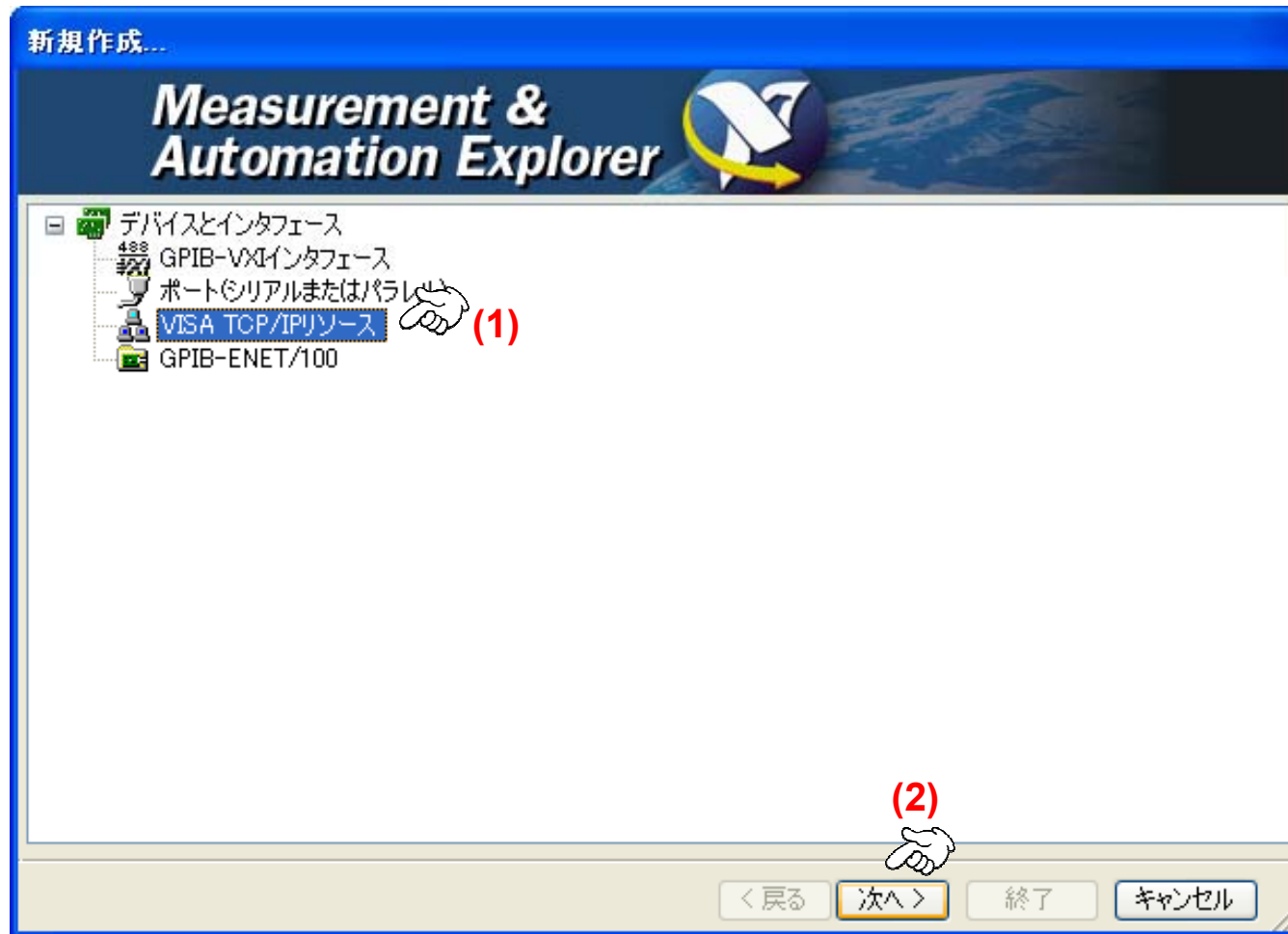
» Start  Measurement & Automation.



- (1) Highlight Device and Interface.
- (2) Click New.

Set to Connect with Instrument over Ethernet

- **New Setting Wizard**



- (1) Highlight VISA TCP/IP Resource.**
- (2) Click Next.**

Set to Connect with Instrument over Ethernet

- **New VISA TCP/IP Resource Wizard**



- (1) Select Auto-detect Instrument on LAN.
- (2) Click Next.

Set to Connect with Instrument over Ethernet

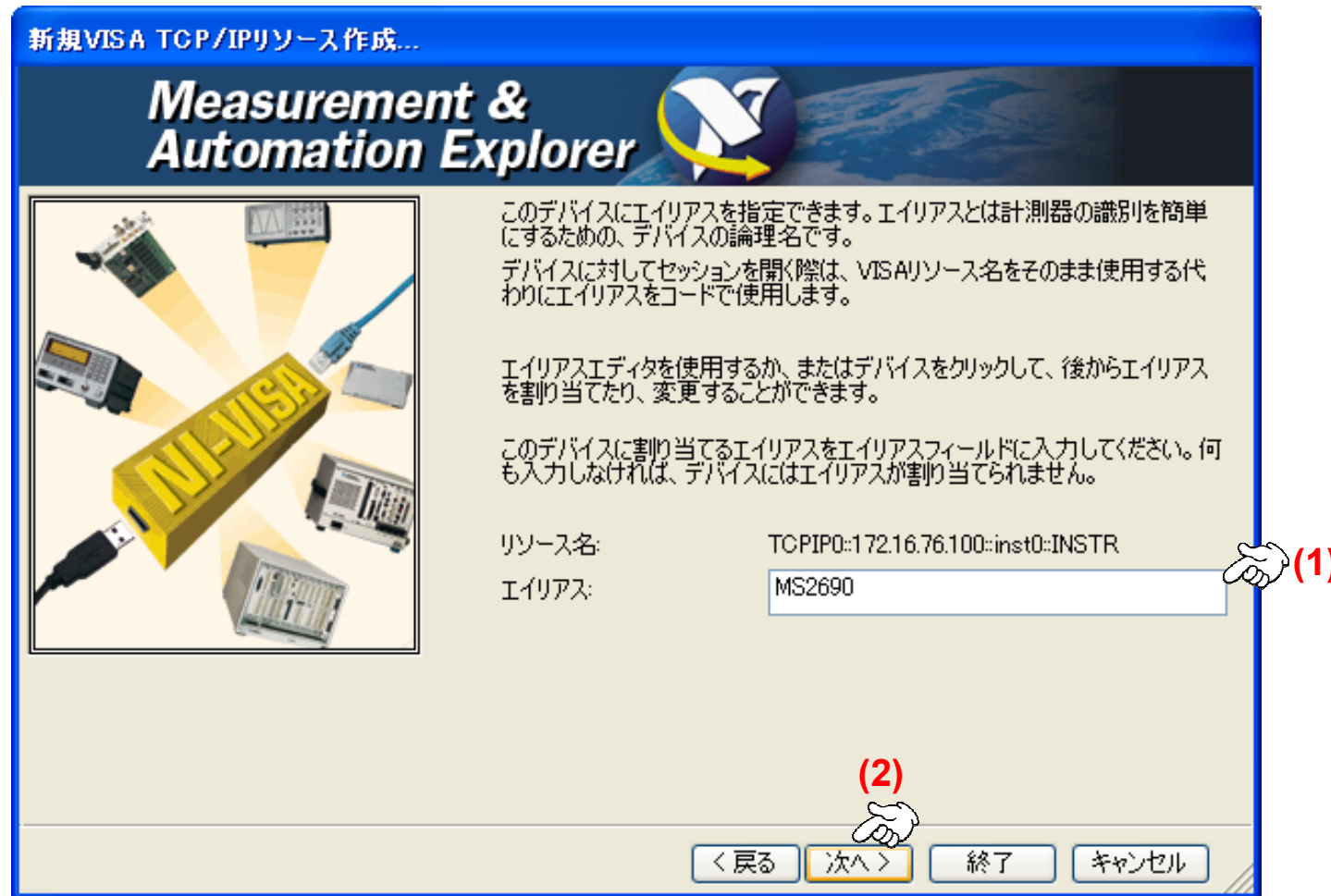
- **Confirming Detected Instruments**



(1) Click Next.

Set to Connect with Instrument over Ethernet

- **Creating Instrument Alias**



(1) Input the alias name.

(2) Click Next.

Set to Connect with Instrument over Ethernet

- **Creating New VISA TCP/IP Resource**



(1) Click Finish.

Set to Connect with Instrument over Ethernet

- **Confirming Created VISA TCP/IP Resource**



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