

# MET/CAL 11.2.1 README

This document includes information related to MET/CAL 11.2.1 relative to version 11.2.0. This version of MET/CAL is compatible with MET/TEAM version 3.4.x and MET/CONNECT version 2.2.1.

## WHAT'S NEW IN VERSION 11.2.1?

- Several RS-232, GPIB, and VISA communication related issues have been resolved
- Resolved a logarithmic units of measurement issue
- Resolved an issue that caused errors writing results to the database following a calibration
- For a complete list of issues resolved, see the table below

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**Note:** Starting with the 10.6.0 release of MET/CAL, there has been a significant change with the way MET/CAL Prompts are defined and selected when using MET/TEAM. The prompt definitions are now created in MET/TEAM and are stored in the MET/TEAM database. If you are upgrading from a version prior to 10.6.0 and have been using customized pre- and post-prompts in MET/CAL, you will be required to recreate your custom prompts using the new designer in MET/TEAM and change the MET/CAL configuration to reference your newly created prompts. If you are using the default prompts that were distributed with an earlier release of MET/CAL (\*\_mt.txt files), you simply need to change the MET/CAL configuration to reference the new "Default" prompts. If you do not make these changes, the full Work Order screen will be displayed instead of the expected prompts. If you are not using MET/CAL Prompts, no action is necessary.

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## MET/CAL 11.2.1 DISTRIBUTION AND IMPORTANT NOTES

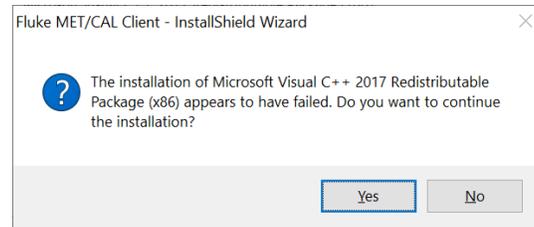
**Note:** MET/CAL version 11.2.1 is compatible with MET/TEAM version 3.4.x and MET/CONNECT version 2.2.1. Attempting to use it with earlier versions of MET/TEAM or MET/CONNECT will result in an error at login.

The MET/CAL Client version 11.2.1 installer is distributed independent of MET/TEAM and MET/CONNECT. The installer files must be downloaded and extracted to the server's shared folder (typically found locally on the server at C:\Program Files (x86)\Fluke\<METTEAM or METCONNECT>\Installers\METCAL or at \\<your\_server>\<metteam or metconnect>\Installers\METCAL). These installer files should replace the MET/CAL installer files in this folder that were originally deployed by the server installer so that all MET/CAL workstations have access to it.

**Note:** After downloading the archive and before extracting the files, right-click it and select **Properties** from the popup menu. If the **Unblock** checkbox appears on the lower right of the General tab, check it and click **OK**. Otherwise, just click **OK**.

The MET/CAL Client installer must be run on all existing MET/CAL workstations to perform an update to version 11.2.1. The installer can also be used to set up new MET/CAL workstations.

**Note:** When running the MET/CAL Client installer, you may receive a warning message regarding the Microsoft Visual C++ 2017 Redistributable Package. This message is an indication that the package has already been installed on the workstation and it may be ignored. Click **Yes** to continue.



As of MET/CAL version 11.0.0, the instrument communication libraries have been updated to use the National Instruments NI-488.2 and NI-VISA packages. The MET/CAL Client installer performs a check to ensure these packages are installed on the workstation. A warning message will appear if either of these packages is not installed. The installation is allowed to proceed but MET/CAL cannot be run until these packages are installed. A similar check and message will be displayed by MET/CAL if these packages are not installed, and MET/CAL will terminate immediately.

The required National Instruments drivers can be installed manually using the NI Package Manager utility, or silently/passively which may be preferable when multiple workstations need to be updated.

### Silent/Passive Installation

To install the National Instruments drivers in a silent/passive manner, download the installer packages using the link provided below, extract the contents of the ZIP archive to a local folder, and run either **InstallNIPackages-Passive.bat** or **InstallNIPackages-Silent.bat** as an administrator. Once the installation is complete, you will need to reboot the workstation. When updating multiple workstations, extract the ZIP archive to a network share so the files are accessible from all workstations.

Download link: <https://tinyurl.com/2dgoumri>

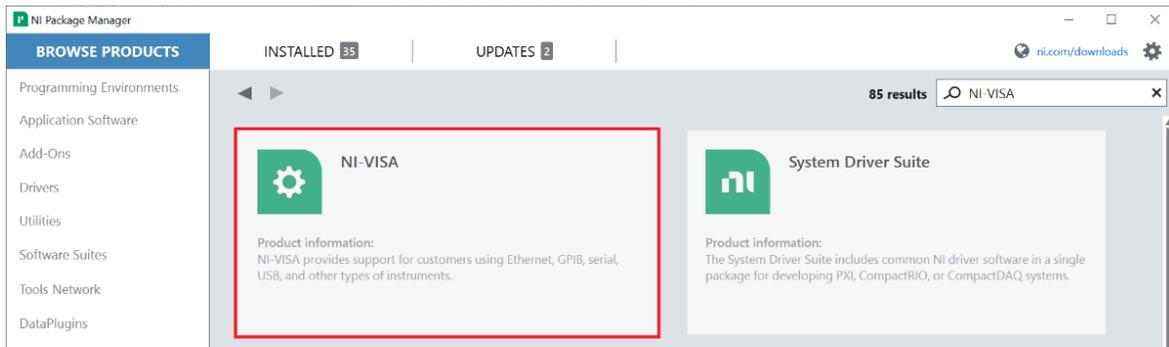
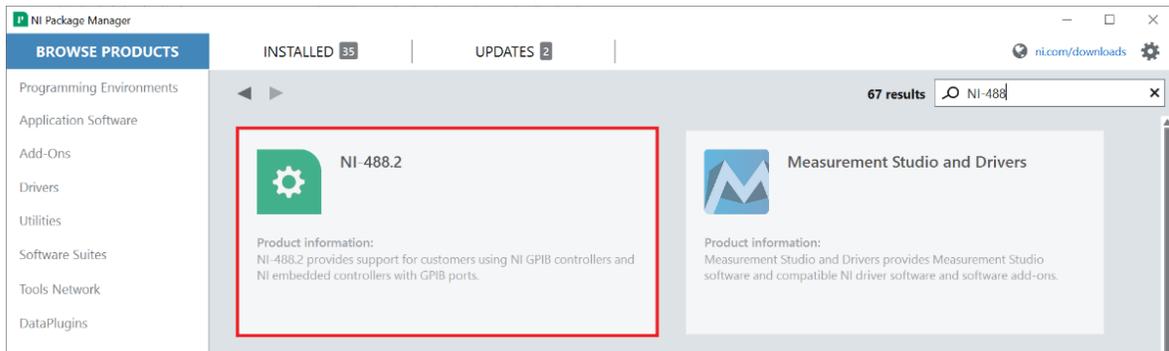
### Manual Installation

To manually install the National Instruments drivers, first download and install the latest NI Package Manager software:

<https://www.ni.com/en/support/downloads/software-products/download.package-manager.html#322516>

Once the NI Package Manager is installed, launch it and select the BROWSE PRODUCTS tab. Locate and select the following items using the Search feature:

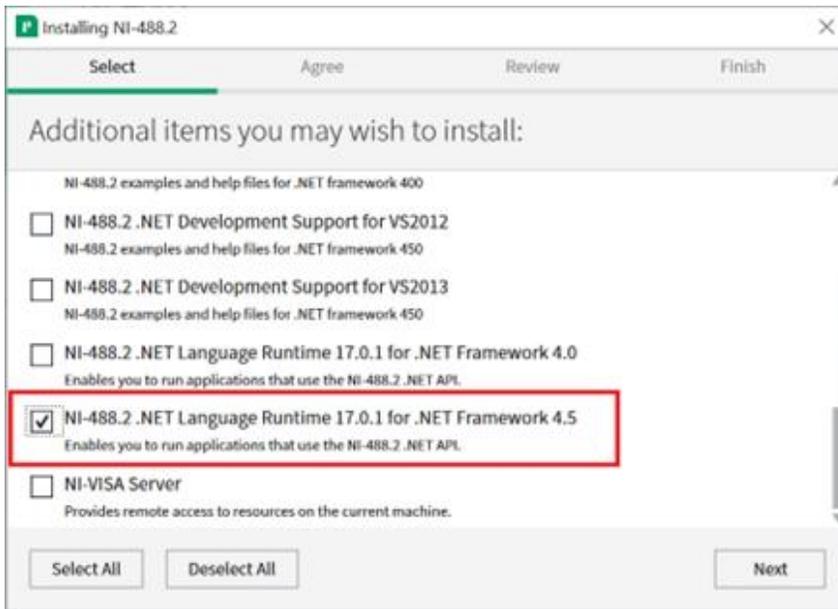
- **NI-VISA** - MET/CAL requires version 17.5 or later
- **NI-488.2** – MET/CAL requires version 17.6 or later



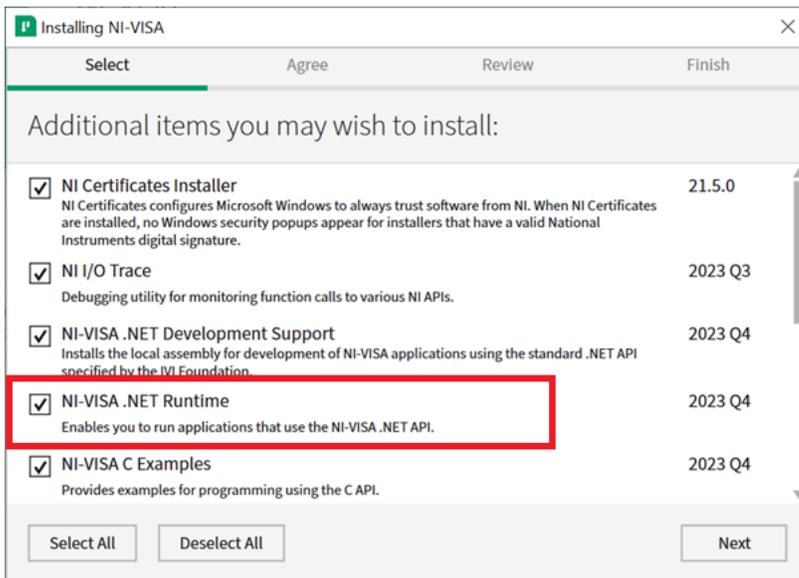
It is recommended to install the latest available version of each driver.

During driver installation, you may use the default component selections, with one exception:

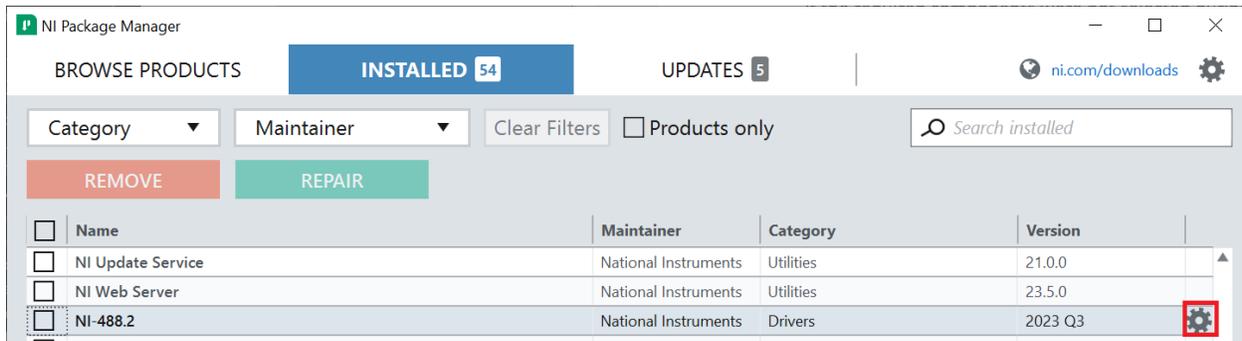
- For the NI-488.2 driver, be sure the “NI-488.2 .NET Language Runtime 17.0.1 for .NET Framework 4.5” component is selected (the name may vary slightly from one driver version to another). This component is automatically selected in the latest version, but it needs to be manually selected on most older versions. Failing to select this component will cause MET/CAL to not detect the installation of the driver, resulting in the warning message on startup. In this case, either upgrade to a newer version of the driver, or uninstall the current driver and re-install it, selecting the required component during installation.



- For the NI-VISA driver, be sure the "NI-VISA .NET Runtime" component is selected. This component should be selected by default. Failing to select this component will cause MET/CAL to not detect the installation of the driver, resulting in the warning message on startup. In this case, either upgrade to a newer version of the driver, or uninstall the current driver and re-install it, selecting the required component during installation, or add it from the NI Package Manager by clicking the gear icon on the NI-VISA item in the Installed list.



If the required components were not selected during the initial driver installation, select the INSTALLED tab and click the gear icon that appears in the right-most column when hovering over the appropriate row in the grid. This will launch the installer for that driver and allow components to be selected/deselected.



## MET/CAL 11.2.1 CHANGES

Key	Type	Description
MC-17972	CHANGED	When using MET/CONNECT, MET/CAL no longer has the option to open File Explorer to the folder where exported data files are located. Instead, the path to this folder is copied to the clipboard, and the message was changed to indicate this.
MC-17580	FIXED	Resolved an issue that caused MET/CAL to crash when using the Timeout special construction in a IEEE/IEEE2/SCPI FSC statement and there was no configured instrument using the port.
MC-17744	FIXED	Resolved an issue that appeared to drop characters from GPIB responses under certain circumstances.
MC-17835	FIXED	Resolved various issues with RS-232 communications regarding indefinite timeouts and stripping terminator characters from responses.
MC-17855	FIXED	Resolved an issue where using the VISA FSC [Interface] special construction to limit the selectable communication interfaces would result in the RS-232 interface being displayed when not intended.
MC-17952	FIXED	Resolved an issue upon procedure completion where the GPIB interface was being closed too soon.
MC-17962	FIXED	Resolved issue where logarithmic units of measurement were displaying invalid data in uncertainty and DUT measured fields.
MC-18043	FIXED	Resolved an issue that caused the default timeout for DUTs using GPIB to use 2000 msec instead of 15000 msec.

Key	Type	Description
MC-18053	FIXED	Resolved a communication issue when using RS-232 interface with no defined terminators and infinite timeout.
MC-18063	FIXED	Resolved an issue where empty FormatUID values were causing foreign key violations when writing results to the database.
MC-18143	FIXED	Resolved an issue with a few communication functions that assumed a device was using IEEE-488 even when it was configured to use RS-232.