What Is Measurement Studio?

Measurement Studio is an extension of Microsoft Visual Studio that provides .NET tools for creating test and measurement applications.

Explore Measurement Studio Features

Measurement Studio is the only set of .NET tools designed for building engineering applications in Microsoft Visual Studio to acquire, analyze, and display measurement data. You can present data clearly with engineering UI controls that are compatible with hardware-acquired data types. Measurement Studio removes the complexity of hardware communication through high-level, intuitive, object-oriented hardware class libraries. You can add custom information to acquired data by using the fastest and most flexible format for storing measurement data to disk, TDMS. You can also perform inline analysis in real time on acquired signals without the difficult task of writing custom parsing algorithms. Measurement Studio users with an active Standard Service Program (SSP) membership are eligible to upgrade to the latest version.

Connect to Any Hardware

Gain a high-level interface for your hardware, native to your development language, no matter what you use to acquire your data.

Engineering UI Controls

Gain a high-level interface for your hardware, native to your development language, no matter what you use to acquire your data.

Advanced Analysis Libraries

Choose from over 500 analysis functions such as curve fitting, spectral analysis, statistics, and visualization to better under-stand your data.

Software Benefits

Standard Service Program
Every purchase includes a renewable, one-year membership to the Standard Service Program (SSP) for software, which offers the following:
• Live phone and email technical support from local, degreed engineers
• Automatic version updates to Measurement Studio
• 24x7 access to selected online training and virtual demonstrations
• Access to historical versions in case you need to share code with your team

How to buy Measurement Studio

Buy Measurement Studio for You
A single-seat license of Measurement Studio can be associated with an individual or to a specific computer ID.

Buy Measurement Studio for Your Team

The Volume License Program is designed for teams that need five or more licenses. It reduces the total cost of ownership by providing streamlined asset management to your organization.

Related Products

TestStand

TestStand is application software that helps test and validation engineers quickly build and deploy automated test systems.

Automated Test Software Suite

The Automated Test Software Suite is a collection of software for characterizing, validating, and testing electronic devices.

Multi-IDE Bundle

The Multi-IDE Bundle is a collection of integrated development environments (IDEs) you can use to build applications in the programming language of your choice.

Select Your Measurement Studio Edition

	Measurement Studio Standard Edition	Measurement Studio Professional Edition	Measurement Studio Enterprise Edition
Key differentiators	• Support for Microsoft Visual Studio 2015, 2017, and 2019 • Project setup wizard to speed up development • Engineering controls for creating Windows Forms or Windows Presentation Foundation (WPF) applications • Recommended for data acquisition and instrument control applications	• Installer Builder for building applications • Professional Analysis class library for array operations, signal generation, windowing, filters, and signal processing • Recommended for signal processing and sharing data via network variables • Required for creating ASP.NET web applications	• Enterprise Analysis class library for spectral measurements, linear algebra, statistics, and curve fitting • Recommended for advanced data analysis applications
Standard Service Program			
One year of technical support	✓	✓	✓
One year of software upgrades	✓	✓	✓
Visual Studio 2013, 2012, and 2010 support	✓	✓	✓
Controls			
Windows Presentation Foundation Controls	✓	✓	✓
Windows Forms Controls	✓	✓	✓
3D Graph ActiveX Control	-	✓	✓
Windows Presentation Foundation Mixed Graph Control	-	✓	✓
Windows Presentation Foundation Writeable Graph Control	-	✓	✓
ASP.NET Web Form Controls	-	✓	✓
User Interface Network Variable Binding	-	✓	✓
Analysis Class Library			
Signal Generation	Partial	Partial	✓
Windowing	-	✓	✓
Array and Numeric Operations	-	✓	✓
Measurements	-	Partial	✓

	Measurement Studio Standard Edition	Measurement Studio Professional Edition	Measurement Studio Enterprise Edition
Filters	-	Partial	✓
Signal Processing	-	Partial	✓
Linear Algebra	-	Partial	✓
Curve Fitting	-	Partial	✓
Statistics	-	Partial	✓
Special Functions	-	-	✓
Driver Class Libraries and APIs			
NI-488.2 Class Library[1]	✓	✓	✓
NI-VISA Class Library[1]	✓	✓	✓
NI-DAQmx Class Library[1]	✓	✓	✓
Network Variable Class Library	-	✓	✓
Technical Data Management Streaming (TDMS) Class Library	-	✓	✓
DataSocket API	-	✓	✓
Assistants and Wizards			
Project Wizards	✓	✓	✓
Instrument Driver .NET Wizard	✓	✓	✓
Installer Builder	-	✓	✓
Parameter Assistant	-	✓	✓
DAQ Assistant	-	✓	✓

[1]Included with the NI device driver software (does not require Measurement Studio).

Part Number Table

Description	Part Number
Measurement Studio Enterprise Edition	778800-35
Measurement Studio Enterprise Edition. Includes Standard Service for Software, with Media	778800-35WM
Measurement Studio Enterprise Edition	778801-35
Measurement Studio Professional Edition. Includes Standard Service for Software, with Media	778801-35WM
Measurement Studio Enterprise Edition	778802-35
Measurement Studio Standard. Includes Standard Service for Software, with Media	778802-35WM
Measurement Studio 2012 Standard Edition, Legacy Media	782380J-03
Measurement Studio 8.1.2 Professional Edition, Legacy Media	782381C-03
Measurement Studio 2009 Professional Edition, Legacy Media	782381G-03