

## Neue Version Measurement Studio2010



Measurement Studio ist eine integrierte Messlösung mit Werkzeugen, die speziell für Programmierer von Visual Studio .NET entwickelt wurde. Sie richtet sich an Ingenieure und Wissenschaftler, die Prüf-, Mess-, Steuer- und Regelanwendungen in Visual Studio 2010/2008/2005 erstellen. Measurement Studio steigert die Produktivität von Entwicklern durch die Erweiterung des Microsoft .NET Frameworks und bietet eine Sammlung an Mess- und Automatisierungsklassen sowie Windows-Forms- und Web-Forms-Bedienelementen für Visual Basic .NET und Visual C#.

### Neuerungen:

Measurement Studio 2010 unterstützt nun Visual Studio 2010 und bietet fortlaufenden Support für .NET-Anwendungsentwicklung mit Visual Studio 2008/2005. Mit Measurement Studio 2010 können Sie einfacher erweiterte Windows-Forms-Anwendungen unter Verwendung von Codeabschnitten für Bedienelementklassen erstellen. Intensitätsdaten können Sie mithilfe des neuen Elements .NET Intensity Graph abbilden. Zudem bietet Measurement Studio 2010 verbesserte I/O-Fähigkeiten und reduziert die Entwicklungszeit von Anwendungen für die Datenerfassung und Messgerätsteuerung.

### Unterstützung für Visual Studio 2010

Sie können in Measurement Studio bestehende .NET-Windows-Forms- und .NET-Web-Forms-Anwendungen einfach auf Visual Studio 2010 übertragen und so von der neuesten Microsoft-Entwicklungsplattform profitieren.

### .NET Intensity Graph von Windows Forms

Lassen Sie sich dreidimensionale Intensitätsdaten in Benutzeroberflächenanwendungen von Windows Forms mithilfe des Elements .NET Intensity Graph anzeigen.

### Codeabschnitte für Benutzeroberflächen

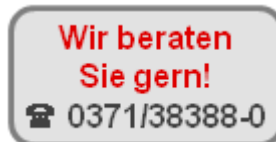
Erstellen Sie schnell Benutzeroberflächenanwendungen in Windows Forms mithilfe von Codeabschnitten für Bedienelementklassen.

### Unterstützung für neue Datenerfassungshardware

Die Unterstützung für NI-Datenerfassungshardware wie NI CompactDAQ, Wireless-Geräte und Module der X-Serie verbessert die I/O-Funktionen und reduziert die Entwicklungszeit von Anwendungen für die Datenerfassung und Gerätesteuerung in Visual Studio.

## Weitere Funktionen

- Neue Methoden der .NET-Analyseklassenbibliothek
- Neues Werkzeug zur TDMS-UTC-Konvertierung
- Aktualisiertes Erscheinungsbild der .NET-Hilfe



## Compare Packages by Language :

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### Visual C#

#### System Requirements

To use Measurement Studio support for Visual Studio 2005, your computer must have the following:

- Microsoft operating system: Windows 7 (32-bit or 64-bit)<sup>2</sup>, including Starter Edition, Windows Vista (32-bit), Windows XP (32-bit), Windows Server 2003 R2 (32-bit or 64-bit)<sup>2</sup>
- Microsoft .NET Framework 2.0
- Visual Studio 2005: Standard, Professional, Team System, Visual C# Express<sup>1</sup>, and Visual Basic .NET Express<sup>1</sup> or Visual Web Developer Express Edition<sup>1</sup>

To use Measurement Studio support for Visual Studio 2008, your computer must have the following:

- Microsoft operating system: Windows 7 (32-bit or 64-bit), including Starter Edition (32-bit), Windows Vista (32-bit or 64-bit), Windows XP (32-bit), Windows Server 2003 R2 (32-bit), and Windows Server 2008 R2 (64-bit)
- Microsoft .NET Framework 3.5
- Visual Studio 2008: Standard, Professional, Team System, Visual C# Express<sup>1</sup>, and Visual Basic .NET Express<sup>1</sup> or Visual Web Developer Express Edition<sup>1</sup>

To use Measurement Studio support for Visual Studio 2010, your computer must have the following:

- Microsoft operating system: Windows 7 (32-bit or 64-bit), including Starter Edition (32-bit), Windows Vista (32-bit or 64-bit), Windows XP (32-bit), Windows Server 2003 R2 (32-bit), and Windows Server 2008 R2 (64-bit)
- Microsoft .NET Framework 4.0
- Visual Studio 2010: Professional, Premium, Ultimate, Visual C# Express<sup>1</sup>, Visual Basic Express<sup>1</sup>, and Visual Web Developer Express Edition<sup>1</sup>

<sup>1</sup> Measurement Studio integration tools are not supported in the Visual Studio Express editions.

<sup>2</sup> Measurement Studio 64-bit support only includes 64-bit application development on the 64-bit OS.



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## Visual Basic .NET

### System Requirements

To use Measurement Studio support for Visual Studio 2005, your computer must have the following:

- Microsoft operating system: Windows 7 (32-bit or 64-bit), including Starter Edition, Windows Vista (32-bit), Windows XP (32-bit), Windows Server 2003 R2 (32-bit) , and Windows Server 2008 R2 (64-bit)
- Microsoft .NET Framework 2.0
- Visual Studio 2005: Standard, Professional, Team System, Visual C# Express<sup>1</sup>, and Visual Basic .NET Express<sup>1</sup> or Visual Web Developer Express Edition<sup>1</sup>

To use Measurement Studio support for Visual Studio 2008, your computer must have the following:

- Microsoft operating system: Windows 7 (32-bit or 64-bit), including Starter Edition (32-bit), Windows Vista (32-bit or 64-bit), Windows XP (32-bit), Windows Server 2003 R2 (32-bit), and Windows Server 2008 R2 (64-bit)
- Microsoft .NET Framework 3.5
- Visual Studio 2008: Standard, Professional, Team System, Visual C# Express<sup>1</sup>, and Visual Basic .NET Express<sup>1</sup> or Visual Web Developer Express Edition<sup>1</sup>

To use Measurement Studio support for Visual Studio 2010, your computer must have the following:

- Microsoft operating system: Windows 7 (32-bit or 64-bit), including Starter Edition (32-bit), Windows Vista (32-bit or 64-bit), Windows XP (32-bit), Windows Server 2003 R2 (32-bit), and Windows Server 2008 R2 (64-bit)
- Microsoft .NET Framework 4.0
- Visual Studio 2010: Professional, Premium, Ultimate, Visual C# Express<sup>1</sup>, Visual Basic Express<sup>1</sup>, and Visual Web Developer Express Edition<sup>1</sup>

<sup>1</sup> Measurement Studio integration tools are not supported in the Visual Studio Express editions.

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## Visual C++ MFC

### System Requirements

- Microsoft Windows 7/Vista/XP/2000 (SP3 or later) for Visual Studio 2005 or Microsoft Windows 7/Vista/XP for Visual Studio: Standard, Professional, Enterprise Developer, Enterprise Architect, Academic, or Express<sup>1</sup> editions

<sup>1</sup> Measurement Studio integration tools are not supported in the Visual Studio Express editions.

**Note:** Measurement Studio support for Visual C++ MFC is considered legacy. Measurement Studio for Legacy Environments/Languages includes support for Visual C++ MFC and may be requested by qualifying Measurement Studio customers.



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## C++ 6.0

### System Requirements

- Microsoft Visual C++ 6.0
- Service Pack 3 or later
- Windows Vista/XP/2000/Me/9x/NT (Windows NT users need Windows NT 4.0 with Service Pack 3 or later)

**Note:** Measurement Studio support for Visual C++ 6.0 is considered legacy. Measurement Studio for Legacy Environments/Languages includes support for Visual C++ 6.0 and may be requested by qualifying Measurement Studio customers. Measurement Studio for Legacy Environments/Languages Standard Edition does not support Visual C++ 6.0.

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## Visual Basic 6.0

### System Requirements

- Microsoft Visual Basic 6.0 Service Pack 3 or later
- Windows Vista/XP/2000/Me/9x/NT (Windows NT users need Windows NT 4.0 with Service Pack 3 or later)

**Note:** Measurement Studio support for Visual Basic 6.0 is considered legacy. [Measurement Studio for Legacy Environments/Languages](#) includes support for Visual Basic 6.0 and may be requested by qualifying Measurement Studio customers. Measurement Studio for Legacy Environments/Languages Standard Edition does not support Visual Basic 6.0.

	Standard Edition	Professional Edition	Enterprise Edition	NI Developer Suite
Visual Studio 2010 Support	✓	✓	✓	✓
Visual Studio 2008 Support	✓	✓	✓	✓
Visual Studio 2005 Support	✓	✓	✓	✓
Windows Forms Controls – Waveform Graph, Scatter Graph, Digital Graph, Complex Graph, Intensity Graph, Property Editor, Legend, LED, Slide, Meter, Gauge, Knob, Numeric Edit, Tank, Switch, Thermometer, LED Array, Switch Array, and Numeric Array	✓	✓	✓	✓
Standard Analysis Class Library for Basic Signal Generation <sup>1</sup>	✓	✓	✓	✓
488.2 Class Library <sup>2</sup>	✓	✓	✓	✓
NI VISA Class Library <sup>2</sup>	✓	✓	✓	✓
NI-DAQmx Class Library <sup>2</sup>	✓	✓	✓	✓
Instrument Driver .NET Wizard	✓	✓	✓	✓
Project Wizards	✓	✓	✓	✓
ASP .NET Web Form Controls - Waveform Graph, Scatter Graph, Digital Graph, Complex Graph, Legend, LED, Slide, Meter, Gauge, Knob, Numeric Edit, Tank, Switch, Thermometer, and Auto Refresh Control	—	✓	✓	✓
Professional Analysis Class Libraries for Array Operations, Signal Generation, Windowing, Filters, and Signal Processing <sup>1</sup>	—	✓	✓	✓
3D Graph ActiveX Control	—	✓	✓	✓
User Interface Network Variable Binding	—	✓	✓	✓
Network Variable Class Library	—	✓	✓	✓
Technical Data Management Streaming (TDMS) Class Library	—	✓	✓	✓
Parameter Assistant	—	✓	✓	✓
Instrument I/O Assistant	—	✓	✓	✓
Data Acquisition Assistant	—	✓	✓	✓
Enterprise Analysis Class Libraries for	—	—	✓	✓

# Kurz-Information



	<b>Standard Edition</b>	<b>Professional Edition</b>	<b>Enterprise Edition</b>	<b>NI Developer Suite</b>
Spectral Measurements, Linear Algebra, Statistics, and Curve Fitting <sup>1</sup>				
NI LabWindows™/CVI Full Development System	—	—	✓	✓
NI LabVIEW Professional Development System	—	—	—	✓
LabVIEW Add-On Toolkits	—	—	—	✓
LabVIEW SignalExpress Interactive Environment	—	—	—	✓

<sup>1</sup> See link for specific analysis available in each package

<sup>2</sup> Included with the NI device driver software (does not require Measurement Studio)