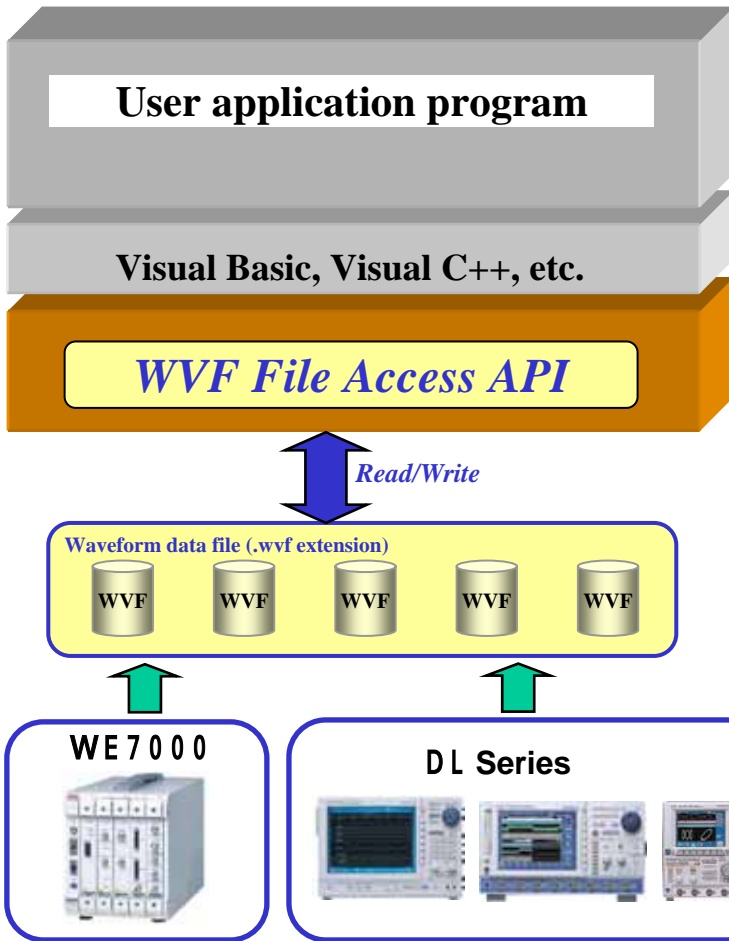


# WVF File Access API

The WVF File Access API is used to access using programming languages such as Visual Basic the waveform data file (.wvf extension) measured using the WE7000 or DL Series Oscilloscopes.

Using this API allows you to read/write measured data and header information without being conscious of the internal structure of the file. Thus, you can develop applications more efficiently.

## ■ Easily access WVF files of the WE7000 and DL Series from programming languages such as Visual Basic!



### The List of Functions

Function Name	Description
<ul style="list-style-type: none"> <li>• Single File Access</li> </ul> WeDPHeaderReadS WeDPDataRead WeDPHeaderWriteS WeDPDataWrite	Load the header file. Load the data file. Write the header file. Write the data file.
<ul style="list-style-type: none"> <li>• Sequential File Access</li> </ul> WeDPHeaderCsReadS WeDPCsRead WeDPHeaderCsWriteS WeDPCsWrite	Load the header file. Load the data file. Write the header file. Write the data file.
<ul style="list-style-type: none"> <li>• Access to the Specified Item of the Header File</li> </ul> WeDPHeaderItemRead WeDPHeaderItemWrite	Read the data of the specified item. Write the data of the specified item.
<ul style="list-style-type: none"> <li>• Data Operation</li> </ul> WeDPGetSampleChNum WeDPGetBlockNum WeDPInitializeAcqInfo	Get the number of samples and number of channels. Get the number of blocks. Store the required data in the data information structure.

*Can also be used to access waveform data files of the DL Series!*

Purchasing Instructions  
 \* Since 707741 WE Control API includes 707712's whole functions, it is not necessary for 707741 owners to purchase this product.

WE Control API

WVF File Access API

## ■ Main Specifications

### • Models applicable for accessing .wvf files:<sup>1</sup>

- WE7000
- DL708, DL708E, DL716, and DL750
- DL1700 Series
- DL1600 Series
- DL1500 Series
- DL7100 and DL7200
- DL7400 Series

<sup>1</sup> The only binary files that can be loaded are those with .wvf extension. The API cannot handle data that has been recorded in real-time using the DL Series (.rtm extension) or files with other extensions.

### • Supported OSs

Microsoft Windows 95/98/Me, Windows NT 4.0, Windows 2000 Pro, or Windows XP.

### • Supported Development Platform

Microsoft Visual Basic 5.0 or later , .NET  
 Microsoft Visual C++ 6.0 or later , .NET  
 Microsoft Visual C# .NET

## ■ Model

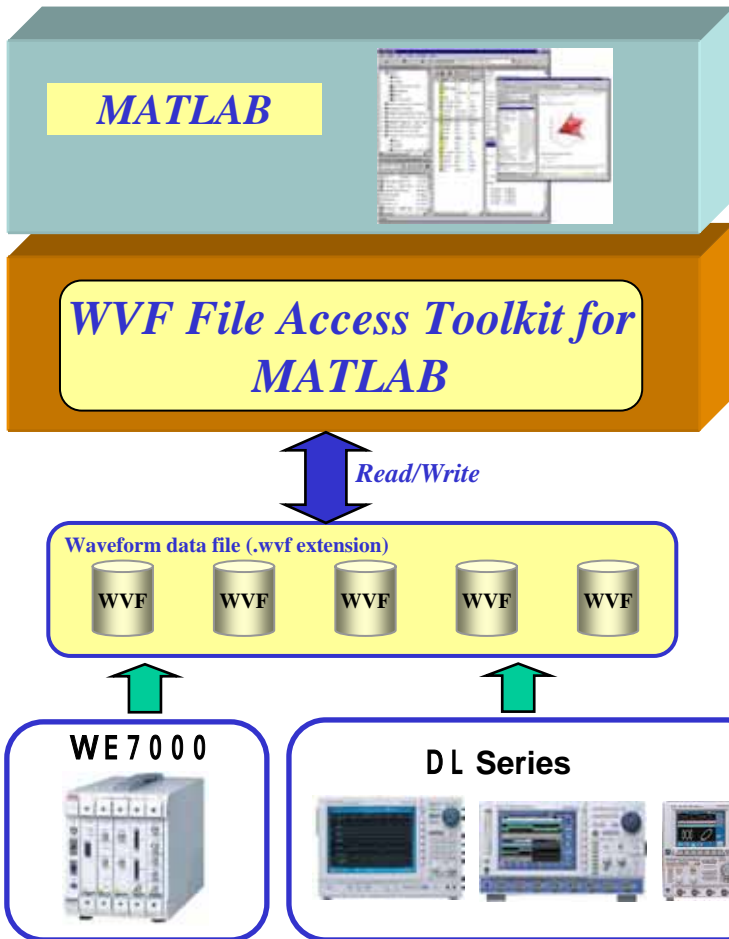
Model	Description
707712	WVF File Access API

# WVF File Access Toolkit for MATLAB

The WVF File Access Toolkit for MATLAB is used to access from MATLAB the waveform data file (.wvf extension) measured using the WE7000 or DL Series Oscilloscopes.

Using this toolkit allows you to read/write measured data and header information from MATLAB without being conscious of the internal structure of the file. The toolkit also allows you to perform advanced data analysis using the extensive computation, analysis, and display functions provided by MATLAB.

## ■ Easily access WVF files of the WE7000 and DL Series from MATLAB!



### The List of Functions

Function Name	Description
<ul style="list-style-type: none"> <li>• Single File Access                      mexWeDPHeaderReadS                      mexWeDPDataRead                      mexWeDPHeaderWriteS                      mexWeDPDataWrite</li> </ul>	Load the header file. Load the data file. Write the header file. Write the data file.
<ul style="list-style-type: none"> <li>• Sequential File Access                      mexWeDPHeaderCsReadS                      mexWeDPCsRead                      mexWeDPHeaderCsWriteS                      mexWeDPCsWrite</li> </ul>	Load the header file. Load the data file. Write the header file. Write the data file.
<ul style="list-style-type: none"> <li>• Access to the Specified Item of the Header File                      mexWeDPHeaderItemRead                      mexWeDPHeaderItemWrite</li> </ul>	Read the data of the specified item. Write the data of the specified item.
<ul style="list-style-type: none"> <li>• Data Operation                      mexWeDPGetSampleChNum                       mexWeDPGetBlockNum                      mexWeDPInitializeAcqInfo</li> </ul>	Get the number of samples and number of channels. Get the number of blocks. Store the required data in the data information structure.

*Can also be used to access waveform data files of the DL Series!*

#### Purchasing instructions:

- \* The 707712 WVF File Access API or the 707741 WE Control API is also required when using this product.
- \* Since 707747 Control Toolkit for MATLAB includes 707713's whole functions, it is not necessary for 707747 owners to purchase this product.

Control Toolkit for MATLAB

WVF File Access Toolkit for MATLAB

## ■ Main Specifications

### • Models applicable for accessing .wvf files:<sup>1</sup>

- WE7000
- DL708, DL708E, DL716, and DL750
- DL1700 Series
- DL1600 Series
- DL1500 Series
- DL7100 and DL7200
- DL7400 Series

<sup>1</sup> The only binary files that can be loaded are those with .wvf extension. The API cannot handle data that has been recorded in real-time using the DL Series (.rtm extension) or files with other extensions.

### • Supported OSs

Microsoft Windows 95/98/Me, Windows NT 4.0, Windows 2000 Pro, or Windows XP.

### • Supported MATLAB Versions

MATLAB Ver.6.1(R12.1) to Ver.7.01(R14 SP1)

## ■ Model

Model	Description
707713	WVF File Access Toolkit for MATLAB