

The WE7000 PC-Based Measurement Instrument Optional Control API Model 707742

Add-On Tools for WE API Vol.1

This product contains ActiveX controls to facilitate the development of application programs by connecting the WE7000 Control API (version 4.0 or later) using Visual Basic. Use of this product enables you to efficiently develop your own applications.

Contents

• ActiveX Control for Communications

A property sheet can be used to select the communications method between the WE7000 and the PC, set the communication parameters, and enter other settings. Includes methods related to the communications interface such as initialization.

• ActiveX Control for Measuring Stations

Includes properties, methods, and events related to the setup and control of the measuring station such as setting the measuring station name, opening/closing the modules in the measuring station, and turning ON/OFF the standby power switch.

• ActiveX Control for Measurement Modules

Provides ActiveX controls that support each measurement module. The ActiveX control of each measurement module enables easy setting of initial values of the measurement parameters on a property sheet. In addition, easy-to-use methods and events are included. There are, for example, methods to open/close the module, read/write measurement parameters, start/stop the operation, and events to take synchronization with the modules.

• ActiveX Control for Waveform Display

Allows easy creation of waveform display windows for measured values.

• ActiveX Control for Measurement Buttons

Allows easy creation of ON/OFF function buttons such as for measurement start/stop.

• ActiveX Control for Numeric Entry

Allows easy creation of numeric entry interfaces.

The screenshot displays the Microsoft Visual Basic design environment for a project named 'Project1'. The main design area shows a form titled 'Form1' with several ActiveX controls placed on it. These controls include:

- A 'Comm' control (ActiveX control for communications) located at the top left.
- A 'WEStation' control (ActiveX control for measuring stations) located at the top center.
- A 'Measurement Modules' control (ActiveX control for measurement modules) located at the top right.
- A 'Graph Title' control (ActiveX control for waveform display) located in the center, showing a grid with axes labeled 'ch1 V' and 'time sec'.
- A 'Start' button (ActiveX control for measurement buttons) located at the bottom right.
- A numeric entry control (ActiveX control for numeric entry) located at the bottom left, showing the value '1.00'.

The Properties window on the right side of the design area shows the properties for the selected 'Form1' control. The properties listed include:

- (Name) Form1
- Appearance 1 - 3D
- AutoRedraw False
- BackColor &H8000000F
- BorderStyle 2 - Sizable
- Caption Form1
- ClipControls True
- ControlBox True
- DrawMode 13 - Copy Pen
- DrawStyle 0 - Solid
- DrawWidth 1

Arrows point from the text labels on the right to the corresponding controls in the design area:

- ActiveX control for communications
- ActiveX control for measuring stations
- ActiveX control for measurement modules
- ActiveX control for waveform display
- ActiveX control for measurement buttons
- ActiveX control for numeric entry

Specifications

- Supported OS

Microsoft Windows 95/98/Me, Windows NT 4.0, or Windows 2000 Pro.
(A CD-ROM drive is required in installing this product.)

- Installed contents (as of June, 2001)

IM707742-61J.pdf: user's manual

WeOcx.bas: Visual Basic definition file

WE7111.OCX: ActiveX control for the WE7111 100 MS/s Digital Oscilloscope Module

WE7121.OCX: ActiveX control for the WE7121 10 MHz Function Generator Module

WE7241.OCX: ActiveX control for the WE7241 10-CH, Digital Thermometer Module

WE7245.OCX: ActiveX control for the WE7245 4-CH, 100 kS/s Strain Module

WE7251.OCX: ActiveX control for the WE7251 10-CH, 100 kS/s Digitizer Module

WE7261.OCX: ActiveX control for the WE7261/WE7262 32-Bit Digital I/O Module

WE7271.OCX: ActiveX control for the WE7271/WE7272 4-CH, 100 KS/s Isolated Digitizer Module

WE7275.OCX: ActiveX control for the WE7275 2-CH, 1 MS/s Digitizer Module

WE7281.OCX: ActiveX control for the WE7281/WE7282 4-CH, 100 kS/s D/A Module

WE7311.OCX: ActiveX control for the WE7311 1 GS/s Digital Oscilloscope Module

WEComm.OCX: ActiveX control for communications

WEStation.OCX: ActiveX control for measuring stations

WEGraph.OCX: ActiveX control for waveform display

WEButton.OCX: ActiveX control for measurement buttons

WENumber.OCX: ActiveX control for numeric entry

Visual Basic sample program

Model

Name	Model
Add-On Tools for WE API Vol.1	707742



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