# How to use the sample program for the WT series

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# How to use the sample program for WT5000/WT1800(E)/WT1600/WT3000(E)/WT500/WT300 (E)

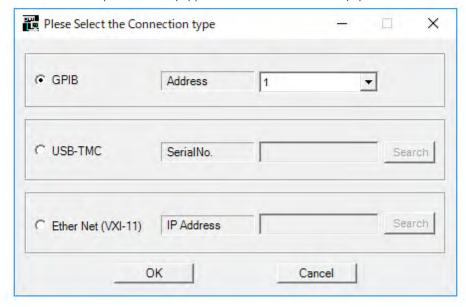
Microsoft Visual Basic 6.0, Microsoft Visual C++ 6.0, VisualStudio2005/2008/2010/2013/2015/2017 (Microsoft Visual Basic.Net, Microsoft Visual C++, Microsoft Visual C#)

### **Operating procedure**

- 1. Install any one of the following programs on the PC:
  - Microsoft Visual C++ 6.0 (hereinafter VC)
  - · Microsoft Visual Basic 6.0 (hereinafter VB)
  - Microsoft VisualStudio (hereinafter VS)
- 2. Download a sample program from our web site and decompress/unzip it.

  When VS is used, the sample program version should match with the VS version.
- 3. Double-click the dsw, vbp or sln file for VC, VB or VS respectively to start the software.
- 4. The program starts with a! for VC or a right-pointed triangle for VB/VS, displaying the window shown in Figure 1.

<Figure 1: Example of a window displayed on
WT5000, WT1800(E), WT500 and WT300(E) series >



<sup>\*</sup> WT1600 does not support Visual Basic.Net, Visual C#, or Visual Studio 2017.

<sup>\*</sup> WT5000 supports only Visual Studio 2010/2013/2015/2017.

\* The sample programs for WT5000, WT1800(E), WT500 and WT300 (E) series have the functions below.

When the connection information file is available at the start of the program, it reads the connection information from the file and displays the communication setting screen with each item set.

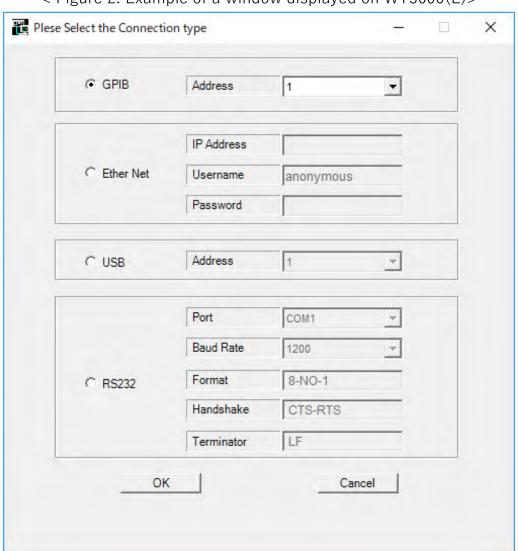
If the file is not available, the items will not be set.

The connection information file is created/updated when the connection is successfully established with the instrument after the press of OK button.

In addition, the Search button to the right of the USBTMC and EtherNet (VXI11) checks if any instrument is connected physically to the PC and determines if the instrument is supported by

the sample program in use. The result is displayed in the setting input field.

When there are multiple instruments found, the setting input field turns into a combo box, allowing you to select the result from a list.



< Figure 2: Example of a window displayed on WT3000(E)>

\* This program uses the TMCTL proprietary communication library provided by Yokogawa Test & Measurement Corporation. Download "TMCTL" from the following website and read the "tmctl readme" file.

https://tmi.yokogawa.com/library/documents-downloads/software/tmctl/

Select the type of connection and enter the settings for the connection interface and communication conditions. Then, click OK to go to Sample Program menu

- · WT1600 does not support USB communication.
- WT5000, WT1800(E) and WT500 do not support RS232 communication.

#### GPIB connection · · ·

Input the GP-IB address of the WT unit to be connected (1 to 30).

\* National Instruments GP-IB card is required.

#### Network connection · · ·

Input the IP address, username and password of the WT unit to be connected. In the initial state, the username is "anonymous" and the password is not set.

\* Please set only the IP address for the WT5000/WT1800(E)/WT500/WT300(E).

#### RS232 connection · · ·

Input the Port, Baud Rate, Format, Handshake and Terminator of the WT unit to be connected.

#### USB connection · · ·

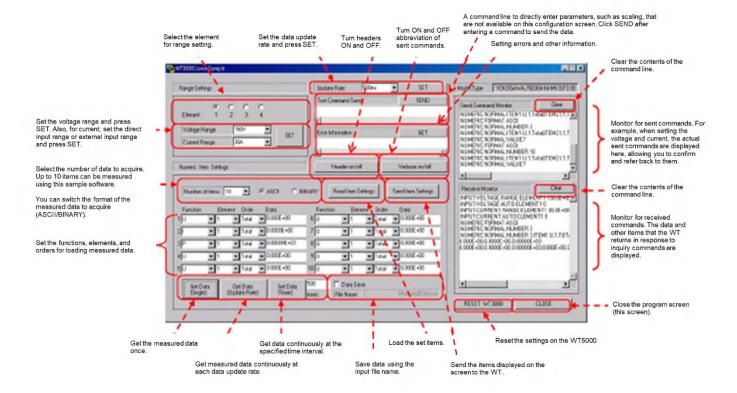
Input the USB ID number of the WT unit to be connected (1 to 127).

- \* For WT5000, WT1800(E), WT500 and WT300(E), please fill in the serial number.
- \* This program uses the USB driver (YTUSB, YKMUSB) provided by Yokogawa Test & Measurement Corporation, which can be downloaded from:

https://tmi.yokogawa.com/library/search/#/q=USB&s=r&t=6

Note) This sample is free software. No guarantee or support is offered.

# Sample Program menu (WT3000(E))



Note) This sample program is subject to change without notice.

# How to use the sample program supporting /DS option for WT5000

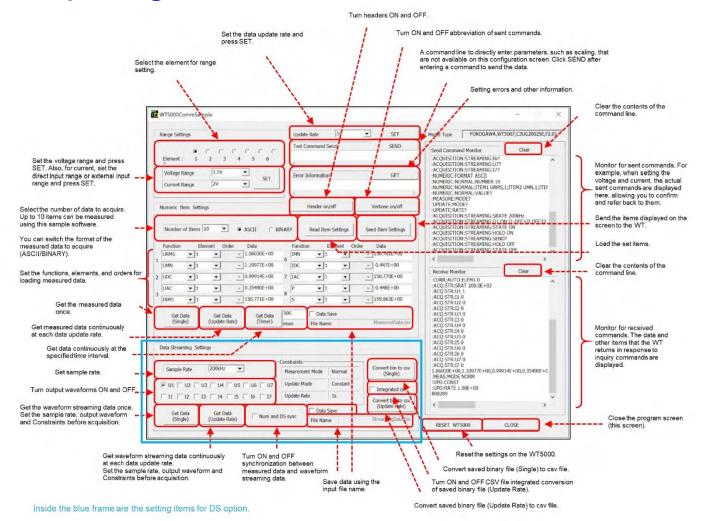
VisualStudio2013(Microsoft Visual C++)

# **Operating procedure**

See "How to use the sample program for WT5000/WT1800(E)/WT1600/WT3000(E)/WT500/WT3000(E)".

Note) Using a connection other than USB3.0 or Ethernet (1000BASE-T) lowers the performance of waveform streaming data.

# Sample Program menu



Note) This sample program is subject to change without notice.