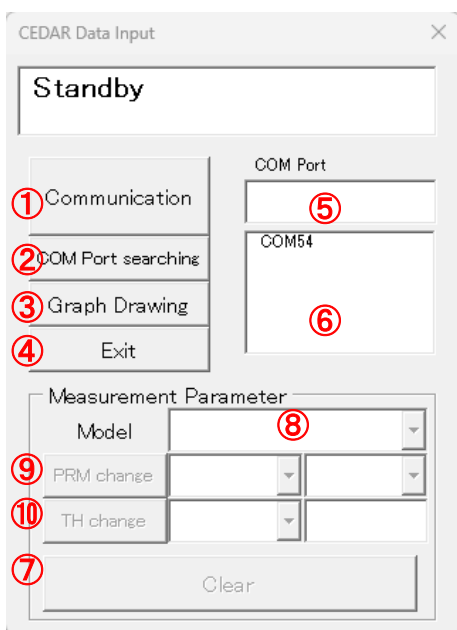## Disclaimer

Regarding the use of this software, SUGISAKI METER CO.,LTD does not warrant about any troubles, losses and damages any-and-all.

Unzip the software

Please unzip the software downloaded from our homepage to any location and use it.
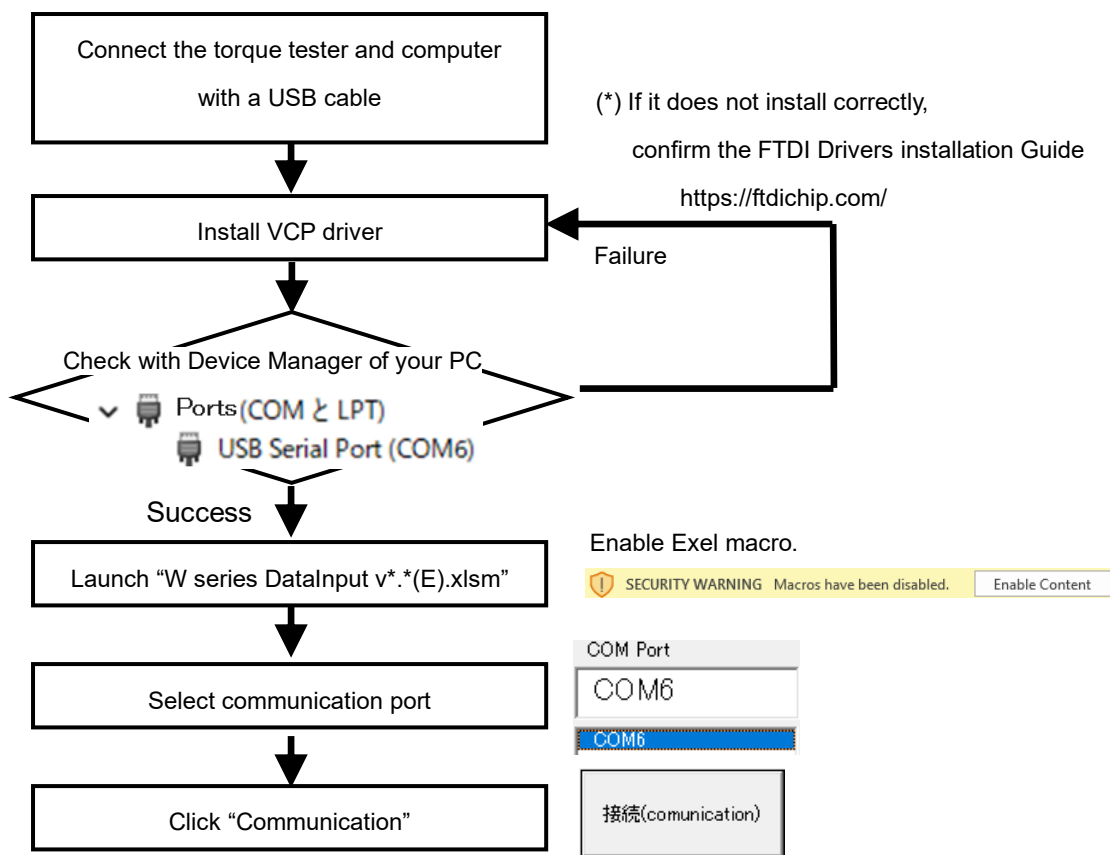
    📁   W-Series DataInput v2.3 (E)
    |-   📊   W-Series DataInput v2.3(E).xlsm
    |-   📁   Graphs   Folder to save created a graph.

Names and uses of MainForm

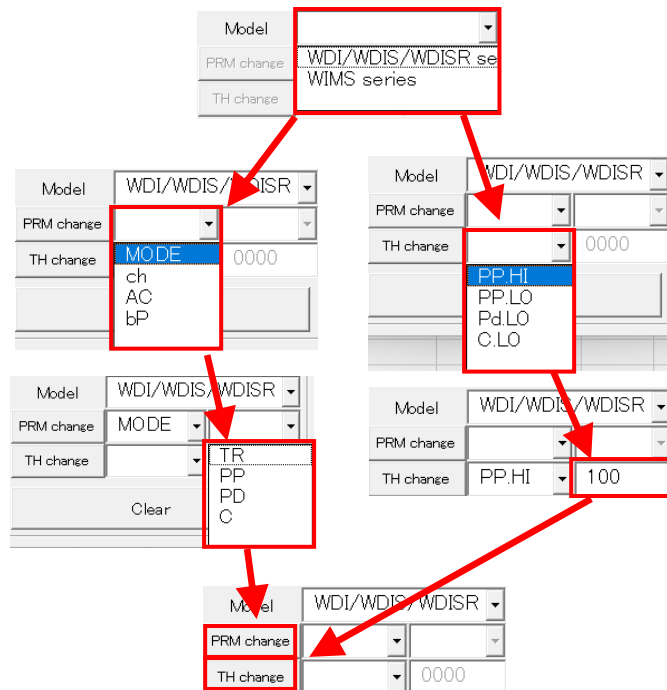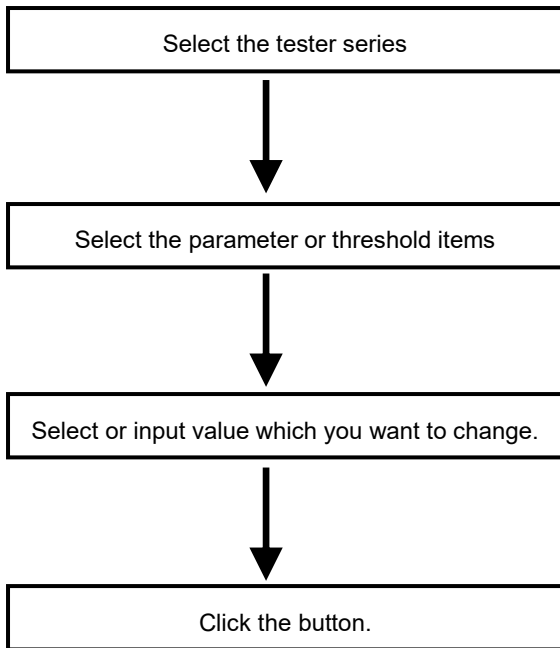| No	Contents
①	Communicate with the tester.
②	Search available communication ports.
③	Draw a graph using the received data.
④	Exit this software.
⑤	Select the communication port from ⑥.
⑥	Display a list of available communication ports.
⑦	Send a "CLEAR command" to the tester. Please check the tester's instruction manual for details.
⑧	Select the connected tester series.
⑨	Change the measurement parameter.
⑩	Change the judgement threshold.

Flow of communication

```
┌────────────────────────────────┐
│ Connect the torque tester and  │
│ computer with a USB cable      │
└────────────────────────────────┘
              │
              ▼
┌────────────────────────────────┐        (*) If it does not install correctly,
│      Install VCP driver        │◄──          confirm the FTDI Drivers installation Guide
└────────────────────────────────┘  Failure        https://ftdichip.com/
              │
              ▼
    Check with Device Manager of your PC
      ∨  🖥 Ports(COM と LPT)
         🖥 USB Serial Port (COM6)
              │  Success
              ▼
┌────────────────────────────────┐        Enable Exel macro.
│ Launch "W series DataInput     │        [SECURITY WARNING  Macros have been disabled.  Enable Content]
│ v*.*(E).xlsm"                  │
└────────────────────────────────┘        COM Port
              │                            COM6
              ▼                            COM6
┌────────────────────────────────┐
│  Select communication port     │        接続(comunication)
└────────────────────────────────┘
              │
              ▼
┌────────────────────────────────┐
│    Click "Communication"       │
└────────────────────────────────┘
```

Receive measurement data

Measurement mode		Measurement data reception

Peak hold mode
Peak down mode
	PP
	PD
		Receive measurement data when clearing it.
		
		  B C
		  1.43 N*m

Realtime output mode	C	When detecting torque greater than the threshold (C.LO),
		receive measurement data
		
		  B C
		  0.52
		  0.56
		  0.59
		  0.63

(*) The reception format of measurement data varies depending on the model. For details.

Please check the instruction manual of the tester.

Measurement parameter setting

```
┌─────────────────────────────────────────┐
│         Select the tester series          │
└─────────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────────┐
│   Select the parameter or threshold items │
└─────────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────────┐
│  Select or input value which you want to change. │
└─────────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────────┐
│             Click the button.             │
└─────────────────────────────────────────┘
```

(*) For the threshold value, enter the 4-digit number you want to set, excluding the decimal point.

Graph drawing

```
┌─────────────────────────────────────────┐
│  Measure the torque by Realtime output mode. │
└─────────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────────┐
│          Click "Graph drawing"            │
└─────────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────────┐
│             Save the graph.               │
└─────────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────────┐
│   Click "Save" after the filename input.  │
└─────────────────────────────────────────┘
```