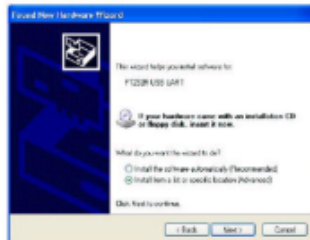# OPERATING INSTRUCTIONS
CHY 80TR
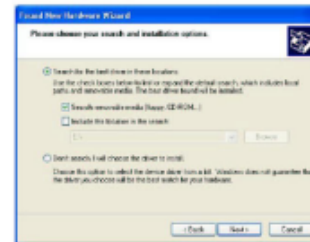
METER USB DRIVER'S INSTALLATION

1. Use USB cable to connect PC & meter, and it will appear new hardware found icon. Please select "No, not this time "to put the disk in, and press "Next".
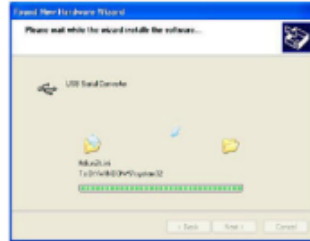

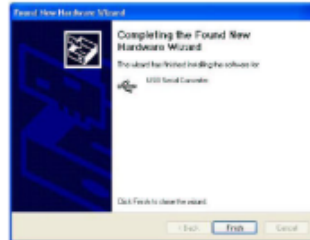2. Select "Install from a list or specific location [Advanced] "and press "Next".

3. Select "Search removable media [floppy, CD-ROM..]" and press "Next".
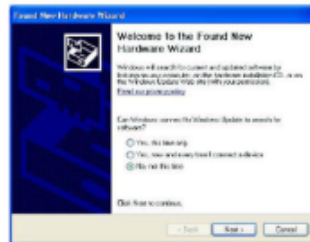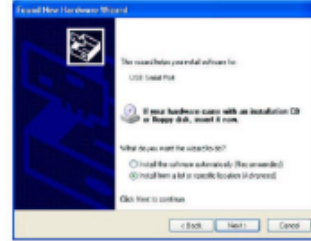

4. Installation.

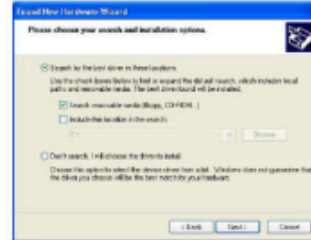5. Complete installation, press "Finish" to complete.

6. Appear found new hardware select "No, not this time" and press "Next".

7. Select "Install from a list or specific location [Advanced]"and press "Next".

8. Select "Search removable media [floppy, CD-ROM..]" and press "Next".

9. Installation.
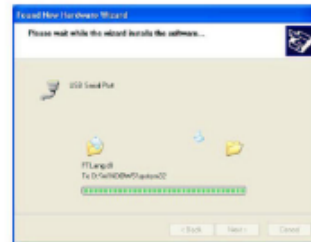
10. Complete installation, and press "Finish" to complete.

CONNECTION PORT

1. Start→Control Panel→Performance and Maintenance.

2. Select "System".

3. Select "Hardware" →Device Manager.

4. Check com port allocation.

METER USB DRIVER'S UNINSTALL

1. Start→Setting→Control Panel→Add or Remove Programs→Change/Remove.
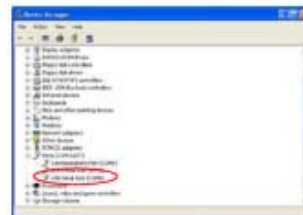
2. Select" FTDI USB Serial Converter Drivers"→Change/Remove.

3. Press "Continue".

4. Press "Finish".
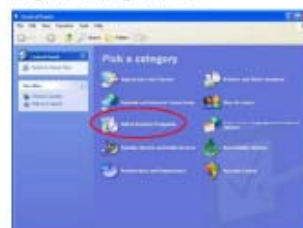
SOFTWARE OPERATION

1. MAIN DISPLAY INTRODUCTION

(Illustration 1)

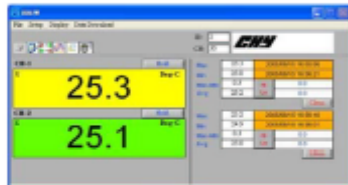Welcome Display will detect and connect the meters automatically.

(Illustration 2)

This is main display, and the left side channels will vary according to different models.

1.1 MEAN BAR

- File →
  - About   Display manufacturer information.
  - Exit   Exit program.
- Setup →
  - Options   Environment selection settings.
  - Comport   Check Search/Settings/Connection /Showing the current ComPort used.
- Display →
  - Graphic   Display real time reading and curves and can also log data.
  - Relative   Display the deducted values of two channels, only same unit can be operated.
  - Received Signal strength indication.

- Data Download →
  Download the saved data from the meter.

1.2 ICON FUNCTION

- Call Comport setup dialog box.
- Call Environment selection settings dialog box.
- Call Graphic dialog box.
- Call Relative dialog box.
- Call Data download dialog box.
- Low battery warning.
- Received signal strength indication.

2. DISPLAY INTRODUCTION

- CH-1: Display channel number.
- K: Measuring type, display current thermocouple used.
- Deg-C: Unit display, display current measuring unit.
- Max: Display maximum reading and freeze the time.
- Min: Display minimum reading and freeze the time.
- Max-Min: Display the differences of max−min.
- Avg: Average values.
- Clean: Reset the reading and time of MAX, MIN&AVG.
- Hi: Hi LIMIT setting values, the white background color will change to Red when the Hi limit is over its setting value.
- Lo: Lo LIMIT setting values, the white background color will change to yellow when the Lo limit is over its setting value monitoring.
- Hold: Hold current reading.

Received signal strength indication

3. SETUP
COMPORT CHECK
(Illustration 3)

After open this function, the program will detect the Comport that are available. If the user uses AUTO key, the program will search current available Comport and connect by itself.

Manual selection for Comport setting, select Comport first. After select Baud Rate, the meter will connect automatically. It will show Port Error if all the Comports fail to pass test.

After click on "Do not show this window automatically?" It will not bring up the dialog box automatically. It will only function when you call from the Setup.

ComPort

Connect Meter and press AUTO DETECT (recommended) or select the COM port from the dropdown menu.

Select Comport   Baud rate
Select....   Select...

ComPort Setup   **AUTO**
☐ Do not show this   Cancel
   window automatically

Set new ID and CH

Meter not found on
CH = 00,ID = 00
Please turn on the meter
then enter your CH/ID
to continuite .

ID [   ]   CH [   ]

Relink   Set   Cancel

Set ID and CH

The display will show "meter found on CH=00, ID=00", if the meter's ID and CH is 00.00. The user can input ID from 1 to 127, and CH from 1 to 50, and press OK to connect. If the meter ID and CH is not set to 00.00, the display will show "meter not found on CH=00, ID=00. At the point input meter's ID & CH and press "SET" to connect. Please refer to individual model for their instruction manuals.

Stop WOT.....OK
Changing CH/ID.....OK
Interval setting.....OK
Setting dongle interval .....OK
Setting device......

4. SETUP DISPLAY
- TIME SET: Must match up with the meter that has time setting.
- ID, CH Setting: After setting, it will change ID, CH (Invalid on models without wireless function).
- HI, Lo Alarm Sound. Click data folder icon on the right 📂, after that will appear sound effect files selecting display. And will follow the selected sound effect to use (Only use WAVE format).
- Background Color/Channel Hi/Lo Limits: Setting the Limit ranges of reading's Hi & Lo. It will appear Hi/Lo warning when the setting values are over. Channel's color can also be changed.
- Stop logging when battery is low: When the user selects the items and logging is proceeded, and the low battery is started. The program will stop recording the current file by itself and integrate the files.

5. GRAPHIC

- Interval: Setting the time of recording. Select by users themselves (1s 2s 5s 10s 30s).
- Y scale: Setting Y axis by user or the pc software sets automatically.
- Value: Reading will be the same as the main display's reading channel will vary according to different meters.
- Data: Will display the last ten samples.

6. AFTER PRESS RECORD

- File name: The default file name is current time or can be changed manually.
- File type: It can be saved as (*.xls).
- User name: The user's name.
- Path: Saved path.
- Description the users can describe the wanted in formations.
- User name and Description: These will save in the data recording files.
- Press ok to record, it will change to stop and start record.
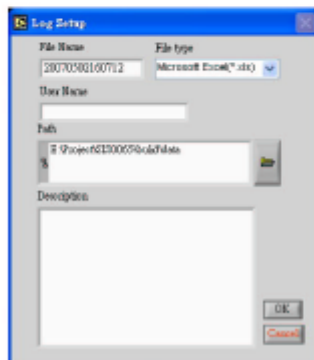
DATALOGGER INSTRUCTION

While press stop, the dialog box will bring up to notice the users for the current situations.
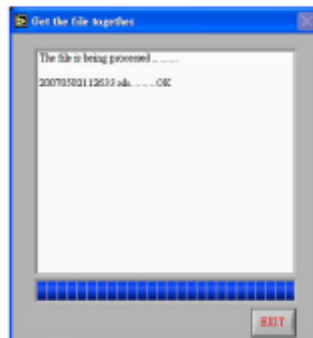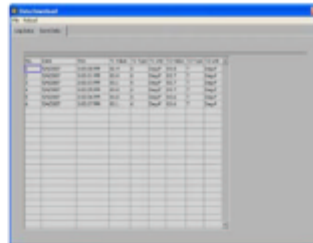
Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution :To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.