



Rathohan 19

Windows Based Program

Operation Manual (End User Version)



PLEASE READ THIS MANUAL VERY CAREFULLY
BEFORE USING THIS PROGRAM

**Do not use this Software if you do not agreed with the following
End-User License Agreement**

Specifications subject to change without prior notice

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Fidelity Measurement Company Limited (hereinafter “FM”)
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Taiwan

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B. Minimum System Requirements

Processor	PC with a Pentium II-class processor, 1.6G Hz or above.
Free Ram	100 MB
Available Hard Disk Space	600 MB on system drive, 500MB installation drive
Operating System	Windows 7, 8, 8.1, 10
CD-ROM or DVD-ROM Drive	Not Required
Video	1280 x 768
Mouse	Microsoft mouse or compatible

C. Microsoft.Net Framework 4

1. This program requires Microsoft.Net Framework 4 to operate. If Microsoft.Net Framework 4 has not been installed in your computer, then program will transfer to Microsoft website for Microsoft.Net Framework 4 download and installation.
2. If it is the case, download Microsoft.Net Framework 4 (Standalone Installer) on Microsoft website.
3. Follow the download and install wizard to complete Microsoft.Net Framework 4 download and installation process.

D. Program Installation Procedures

1. Download and save the program zip file.
2. Unzip this file to your preferred folder on computer. An execution file is then generated.
3. Installation is not required.
4. Run program as administrator.
5. Program is now ready

E. Settings on the Instrument

1. This program works the below products from Fidelity Measurement (hereinafter **the instrument**): -
 - a. 19i & 19s multi-function indicator with firmware version V144 or above.
 - b. 190i & 190s multi-function indicator with firmware version V219 or above.
 - c. G2 multi-function Weighing Scale with firmware version V130 or above.
2. Program version of **the instrument** can be found during power on countdown. Version number in the format of UXXX (xxx = version number).
3. Always connect the PC running this program to Comport #2 on instrument.
4. Follow the below Instrument internal function settings. Refer to operation manual of **the instrument** for setting procedures.
 - Set date format and value (F4)
 - Set time value
 - Set Auto Power Off Time (F7) = 0FF
 - Set Comport #2 (F17) = CMD....Baud Rate = 256000. Parity = nonE, Data Length = 8. (Make sure that the same baud rate is selected on program.
 - Set Machine ID and Group (F18). This is optional, but always a good practice to set these 2 parameters to instrument.
 - Set other parameters according to application requirements.

F. Before Connecting PC and Instrument

- Unplug the power adaptor from instrument.
- Power off instrument.

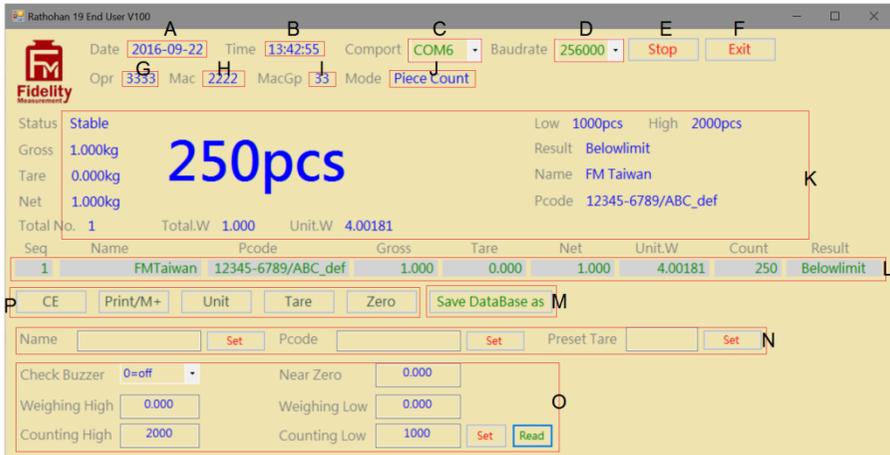
G. Connecting the Instrument to PC

- Cable connection: - in case a cable is used for connection, the RS232 comport on **the instrument** should be used.
- Wireless connection: - in case a WM wireless module is used, connection can be done via the RS232 comport or TTL comport on **the instrument**. If WM wireless module is used, set baud rate (F17) of the instrument to 9600.

- After connection is made, run program on PC. Then power on **the instrument**.

Note: - It is recommended that power adaptor should be plugged in when instrument is running with this PC program.

H. Description of Interface on Program



- A. Instrument date value is shown here. If date value is not correct, set F4 on instrument.
- B. Instrument time value is shown here. If time value is not correct, set F5 on instrument.
- C. Select correct comport here. Click Refresh for latest comport availability.
- D. Select baud rate here. This baud rate must be same as instrument F17 setting)
- E. Click here to start / stop communication with instrument, click Start/Stop.
- F. Click here to Exit this program.
- G. Operator number entered is displayed here.
- H. Machine ID number entered is displayed here.
- I. Machine Group number entered is displayed here.
- J. Instrument current working mode is displayed here.
- K. Instrument operation result and status are displayed here.
- L. Brief content of last data stored is displayed here.
- M. Click here to save database stored in PC program.
- N. Enter and set Customer Code, Product Code and Preset Tare value here.
- O. Read and set check buzzer status, near zero value, high and low limits for Weighing and Piece Count mode here.
- P. 5x on screen operation keys.

I. Transaction Records

- This program stored all details of an individual transaction in PC which can be saved in csv or txt format.
- To save database as file, click on **Save DataBase as** button, then entered preferred file name, format and folder in the dialogue box.

Notes: -

- a. Always save the transaction records before exiting this program.
- b. All not saved records will be erased when this program is closed.



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