



Rathohan 18 Software User Guide

A. 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 XP and Windows 7 (recommend)
CD-ROM or DVD-ROM Drive	Not Required
Video	1280 x 768
Mouse	Microsoft mouse or compatible

B. Program Installation Procedures

1. Download and save the program zip file.
2. Unzip this file to your preferred folder on computer.
3. Run unzipped file as administrator.
Note: -
 - a. 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.
 - b. If it is the case, download Microsoft.Net Framework 4 (Standalone Installer) on Microsoft website.
 - c. Follow the download and install wizard to complete Microsoft.Net Framework 4 download and installation process.
4. Read content of the License Agreement. To accept, click "I agree" to continue installation or click Cancel to absorb installation.
5. Select preferred folder to install this program.
6. Click "Install" to start installation.
7. Follow in the installation wizard to complete installation.
8. Program can be found on Start Menu.
9. Run program as administrator.

C. Settings on the Instrument

- This program works the below products from Fidelity Measurement (hereinafter **the instrument**): -
 - Indicator: - AFM18, FM18, FM18S,
 - Scale: - DM Series
- Program version of **the instrument** can be found during power on countdown. Version number in the format of UXXX (xxx = version number).
- To run this program, Internal Function 18 (of **the instrument**) should be set to Mode 4; suggest baud rate (internal function number F19) is = 9600 or 19200.
- In case of indicator, the communication port used for connecting to the PC which runs this program must be assigned for bi-directional communication. Refer to operation manual of **the instrument** for setting procedures.

D. Connecting the Instrument to PC

- Hardwire: - 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 (F19) of the instrument to 9600.
- After connection is made, run program on PC. Then power on **the instrument**.

E. Description of Interface on Program

The screenshot displays the Fidelity Measurement software interface. At the top, it shows the date (2013/11/07), time (21:59:31), comport (COM6), and baudrate (19200). Below this, there are input fields for decimal (0.0000), max (10), exponent (50), and unit (kg), along with Start, Stop, and Exit buttons. The main display area shows the status as 'Stable' and 'Weighing', with a large digital readout of 2000.0 g. It also displays tare (1000.0 g), gross (3000.0 g), and net (2000.0 g) weights. A table below the display shows a list of weighing results with columns for Serial, Date, Time, Gross, Tare, Net, Unit, and Result. At the bottom, there is a control panel with buttons for navigation (Previous, Next, Newest, Save as, Delete) and weighing functions (1-5, CE Clear, Check, Func Next, Tare Setting, Zero Quit, 6-0, M+ Enter, MR, Print, Unit Previous).

Serial	Date	Time	Gross	Tare	Net	Unit	Result
1	2013/11/07	21:59:25	3000.0	1000.0	2000.0	g	Accept

Description

- A. System date (of PC) is shown here automatically. Make sure that system is correct. If not, adjust system date on the PC.
- B. System time (of PC) is shown here automatically. Make sure that system is correct. If not, adjust system date on the PC.
- C. Select comport on PC here. If the correct comport is not listed here, click on "Refresh" and try gain
- D. Select the same baud rate set on **the instrument**.
- E. Click here to show or hide the key panel at the bottom.
- F. Select the decimal set on **the instrument**.
- G. Enter the capacity set on **the instrument**. If dual range is set on **the instrument**, enter W_2 here.
- H. Enter the division set on **the instrument**. If dual range is set on **the instrument**, enter e_2 here.
- I. Select the default unit set on **the instrument**.
- J. Click here to start program.
- K. Click here to interrupt communication between PC and **the instrument**.
- L. Click here to exit program.
- M ~ P. Select the same function mode which the instrument is running. Wrong selection may cause display error on program.
- Q ~ S. Hi and lo Limit value set to the instrument and comparison result are shown here.
- T. Number of accumulated transaction in **the instrument** is shown here.
- U. Total accumulated weight in **the instrument** is shown here.
- V. Details of individual accumulated transaction is shown here (if this transaction has been saved to the database)
- W. Keys for data viewing and database control.
- X. Key panel (same function as the instrument). Note: - unless the display of instrument can be seen when operation the keys on PC, do not use these keys on PC program to avoid control / setting error.