![Fidelity Measurement logo]

Rathohan 19e-II

Windows Based Program

Operation Manual
(End User Version)

PLEASE READ THIS MANUAL VERY CAREFULLY
BEFORE USING THIS PROGRAM

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

Specifications subject to change without prior notice

V101 March 2017

Content

A. Software End-User License Agreement

Under the terms of this Software End-User License Agreement (hereinafter referred to as "the Agreement") executed by and between: -

Fidelity Measurement Company Limited (hereinafter "**FM**")
6F No.33 Dalian 4th Street Taoyuan City 3043
Taiwan

and you, a physical person or legal entity (hereinafter referred to as "**You**" or "**the End User**"), You are entitled to use the Software defined in Article 1 of this Agreement. The Software defined in Article 1 of this Agreement can be stored on a data carrier, sent via electronic mail, downloaded from the Internet, downloaded from the Provider's servers or obtained from other sources, subject to the terms and conditions specified below.

This is an agreement on end-user rights and not an agreement for sale. The Provider continues to own the copy of the Software and the physical media contained in the sales package and any other copies that the **End User** is authorized to make pursuant to this Agreement.

Through downloading, installing, copying or using the software you are expressing your consent to these terms and conditions.

By clicking on "I Agree" to install the Software, **You** agree to the terms and conditions of this Agreement. If **You** do not agree to all of the terms and conditions of this Agreement, do not operate this software, cancel the installation or download, or destroy or return the Software, installation media, accompanying documentation and sales receipt (if any) to the Provider or the outlet from which **You** acquired the Software.

You agree that your use of the software acknowledges that You have read this agreement, understand it and agree to be bound by its terms and conditions.

1. Software

As used in this Agreement the term "Software" means: any program, software, app or similar kind and all components thereof developed by **FM.**

2. License

Subject to the condition that **You** have agreed to the terms of this Agreement and **You** comply with all the terms and conditions stipulated herein, the Provider shall grant **You** the following rights ("the License"):

3. Installation and use

You shall have the non-exclusive, non-transferable right to install the Software on the hard disk of a computer or other permanent medium for data storage, installation and storage of the Software in the memory of a computer system and to implement, store and display the Software.

4. Restrictions to rights

You may not copy, distribute, extract components or make derivative works of the Software. When using the Software **You** are required to comply with the following restrictions:

4.1 This software is only used together with a FM product.

4.2 **You** may make one copy of the Software on a permanent storage medium as an archival back-up copy, provided your archival back-up copy is not installed or used on any computer. Any other copies **You** make of the Software shall constitute breach of this Agreement.

4.3 **You** may not use, modify, translate or reproduce the Software or transfer rights to use the Software or copies of the Software in any manner other than as provided for in this Agreement.

4.4 **You** may not sell, sub-license, lease or rent or borrow the Software or use the Software for the provision of commercial services.

4.5 **You** may not reverse engineer, reverse compile or disassemble the Software or otherwise attempt to discover the source code of the Software, except to the extent that this restriction is expressly prohibited by law.

4.6 **You** agree that **You** will only use the Software in a manner that complies with all applicable laws in the jurisdiction in which **You** use the Software, including, but not limited to, applicable restrictions concerning copyright and other intellectual property rights.

4.7 **You** agree that **You** will only use the Software and its functions in a way which does not limit the possibilities of other **End User**s to access these services. The Provider reserves the right to limit the scope of services provided to individual **End User**s, to enable use of the services by the highest possible number of **End User**s. Limiting the scope of services shall also mean complete termination of the possibility to use any of the functions of the Software and deletion of Data and information on the Provider's servers or third-party servers relating to a specific function of the Software.

5. Copyright

The Software and all rights, without limitation including proprietary rights and intellectual property rights thereto are owned by **FM** and/or its licensors. They are protected by international treaty provisions and by all other applicable national laws of the country in which the Software is being used. The structure, organization and code of the Software are the valuable trade secrets and confidential information of **FM** and/or its licensors. **You** must not copy the Software, except as set forth in Article 6(a). Any copies which **You** are permitted to make pursuant to this Agreement must contain the same copyright and other proprietary notices that appear on the Software. If **You** reverse engineer, reverse compile, disassemble or otherwise attempt to discover the source code of the Software, in breach of the provisions of this Agreement, **You** hereby agree that any information thereby obtained shall automatically and irrevocably be deemed to be transferred to and owned by the Provider in full, from the moment such information comes into being, notwithstanding the Provider's rights in relation to breach of this Agreement.

6. Reservation of rights

The Provider hereby reserves all rights to the Software, with the exception of rights expressly granted under the terms of this Agreement to **You** as the **End User** of the Software.

7. End User declarations

As the **End User**, **You** acknowledge that the software is provided "as is", without warranty of any kind, express or implied, and to the maximum extent permitted by applicable law. Neither the provider, its licensors or affiliates, nor the copyright holders make any representations or warranties, express or implied, including but not limited to the warranties of merchantability or fitness for a particular purpose or that the software will not infringe any third party patents, copyrights, trademarks or other rights. There is no warranty by the provider or by any other party that the functions contained in the software will meet your requirements or that the operation of the software will be uninterrupted or error-free. **You** assume all responsibility and risk for the selection of the software to achieve your intended results and for the installation, use and results obtained from it.

8. No other obligations

This Agreement creates no obligations on the part of the Provider and its licensors other than as specifically set forth herein.

9. Limitation of liability

To the maximum extent permitted by applicable law, in no event shall the provider, its employees or licensors be liable for any lost profits, revenue, sales, data or costs of procurement of substitute goods or services, property damage, personal injury, interruption of business, loss of business information or for any special, direct, indirect, incidental, economic, cover, punitive, special or consequential damages, however caused and whether arising under contract, tort, negligence or other theory of liability, arising out of the use of or inability to use the software, even if the provider or its licensors or affiliates are advised of the possibility of such damages. Because some countries and jurisdictions do not allow the exclusion of liability, but may allow liability to be limited, in such cases, the liability of the provider, its employees or licensors or affiliates shall be limited to the sum that **You** paid for the license.

10. Applicable law

This Agreement shall be governed by and construed in accordance with the laws of Taiwan. **You** expressly agree that any disputes or claims ensuing from this Agreement with respect to the Provider or any disputes or claims relating to use of the Software shall be settled by a court in Taiwan and **You** expressly agree to the said court exercising jurisdiction.

B. Minimum System Requirements

Processor	PC with a Pentium II-class processor, 1.6G Hz or above
Free Ram	100MB
Available Hard Disk Space	600 MB on system drive, 500MB installation drive
Operating System	Windows 7, 8, 8.1, 10
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

This program works with Fidelity Measurement 19e-II & 19es multi-function indicator with firmware version V102 or above. Program version of the instrument can be found during power on countdown. Version number in the format of UXXX (xxx = version number).

Always connect the PC running this program to Comport #2 on instrument.

Follow the below Instrument internal function settings. Refer to operation manual of the instrument for setting procedures.

1. Set date format and value (F4)
2. Set time value
3. Set Auto Power Off Time (F7) = 0FF
4. Set Comport #2 (F17) = CMD….Baud Rate = 256000. Parity = nonE, Data Length = 8. (Make sure that the same baud rate is selected on program.
5. Set Machine ID and Group (F18). This is optional, but always a good practice to set these 2 parameters to instrument.
6. Set other parameters according to application requirements.

F. Before Connecting PC and Instrument

1. Unplug the power adaptor from instrument.
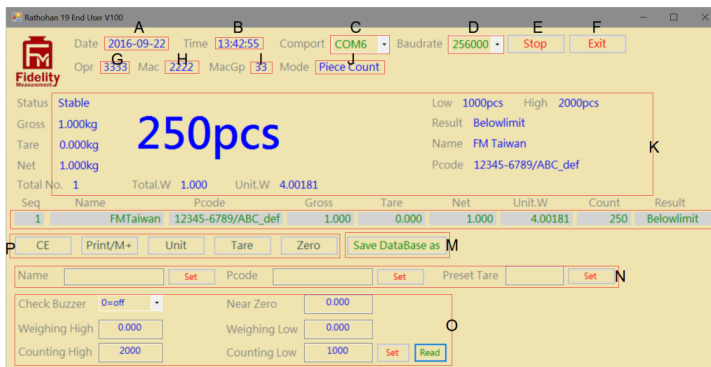2. Power off instrument.

G. Connecting the Instrument to PC

1. Cable connection: - in case a cable is used for connection, the RS232 comport on the instrument should be used.
2. 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.

3. 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.

Fidelity Measurement Co., Ltd.
http://www.fi-measurement.com
e-mail: info@fi-measurement.com