Ritter

RIGAMO

03.40

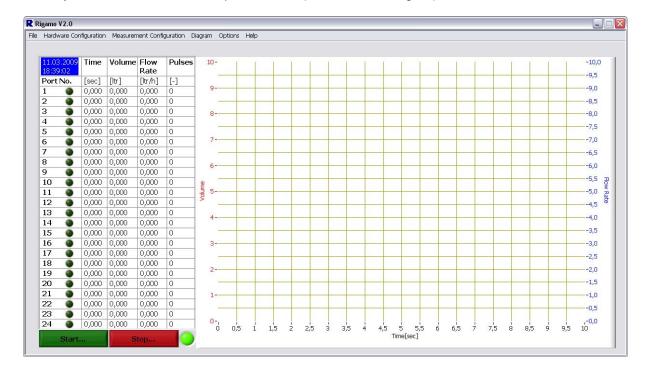
V 2.0

Rev. 03/2009

Brief Description

Software Features (overview):

- Acquisition of measurement data for gas volume and flow rate from a Ritter gas meter to a PC port
- Automatic correction of the dynamic (flow rate dependent) measurement error (MGC only)
- Graphical and tabular display of these data
- Storing of data
- Print out (separately or in any combination) of
 - Diagram
 - Test parameters
 - Measured values in tabular form
- Export to Microsoft Excel® spread-sheet (Excel 2003 or higher)



System Specification:

- Gas meter with built-in pulse generator (option)
- Digital Input Module "DIM"
- Licence (dongle) for requested number of ports (= gas meters to be connected)
- Operating system Windows 2000 or higher

Please note:

With Windows Vista, the directory, into which Rigamo was installed, must be accessible for the user by the respective right of use.

- Microsoft Excel® 2003 or higher for data export to Excel
- Recommended processor performance: ≥1.5 GHz
- Random access memory (RAM): ≥500 MB
- 2 free USB ports (1 for data acquisition, 1 for licence dongle)
- Monitor 17"
- Monitor setting: Optimised for monitor resolution of 1280x 1024 pixel

A standard converter "USB to RS232" for connection to COM port cannot be used.

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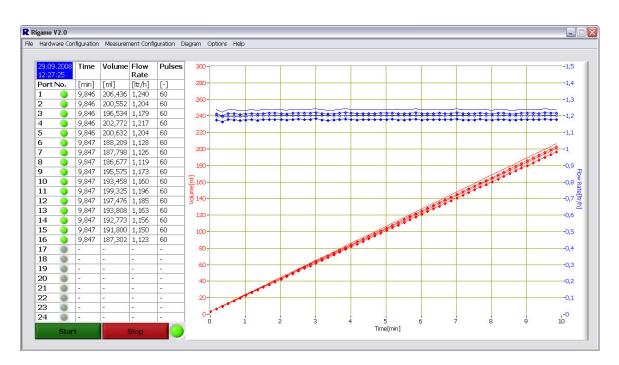
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V 2.0

Rev. 03/2009

Brief Description

Monitor Display of Diagrams (Example): (Volume: red graph, flow rate: blue graph)



Features:

- Windows-Software
- Data acquisition from gas meter (Pulse Generator) to USB port of PC
- Real time presentation of volume and flow rate in a diagram
- Averaging (smoothing) of the values for the flow rate when flow rates are fluctuating (averaging factor selectable)
- Scale of the axis automatically or manually selectable, different units selectable.
 - o X-axis:
 - hours
 - minutes
 - pulses
 - o Y-axis 1 (volume):
 - milli-litre [ml]
 - litre [l]
 - cubic meter [m³]
 - cubic feet [ft³]
 - o Y-axis 2 (flow rate):

Any combinations of units for flow rates with time units

- hour [h]
- minute [min]
- Pre-setting of sampling time interval between two measurement points for data display and storage
- Termination of data acquisition selectable by pre-setting of:
 - o Manual ⇒ measurement will be terminated by pressing the button "Stop"
 - o Time (min) ⇒ measurement will be terminated after a pre-selected time
 - o Number of pulses ⇒ measurement will be terminated after a pre-selected number of pulses



RIGAMO

03.42

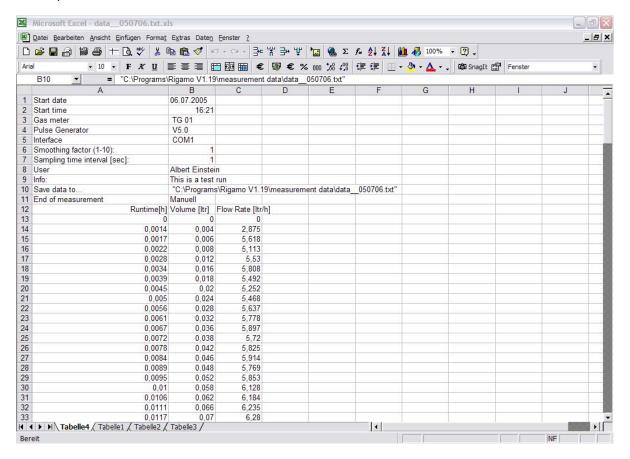
V 2.0

Rev. 03/2009

Brief Description

- Number of drum revolutions ⇒ measurement will be terminated after a pre-selected number of drum revolutions
- Data export to Microsoft Excel

Data export to Microsoft Excel:



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