

1. Introduction

The ComGage special measurement mode “Connection of Mahr / Sylvac wireless gauges” (wgl028) allows to receive measuring values from gauges with Mahr / Sylvac radio technology.

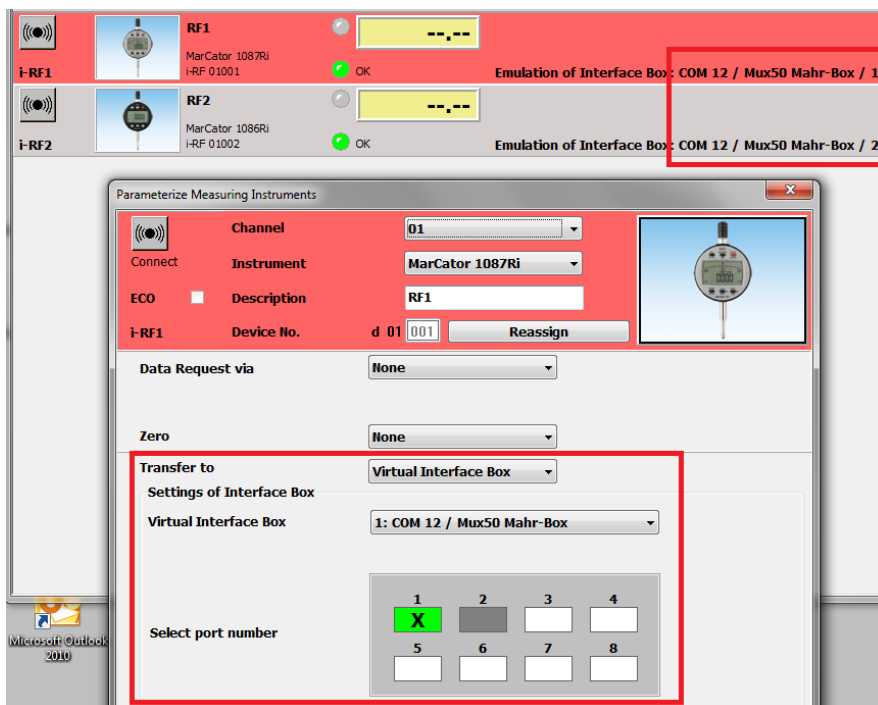
This is made possible thereby, that the software provided by Mahr / Sylvac allows to output the received values to a virtual COM port. From this virtual COM port, the special measurement mode can import the measuring values into ComGage.

Important notes :

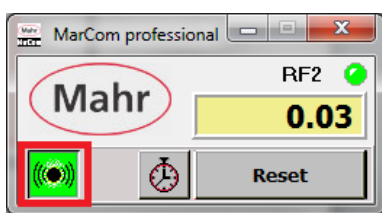
- ComGage Professional V4.12 or later is required to use this special measurement mode.
- The software license Module 74 is required to use this special measurement mode.
- Original hardware and software from Mahr / Sylvac is required :
 - Mahr MarCom Professional software + Mahr receiver + Mahr gauges
 - Sylvac VMUX Professional software + Sylvac receiver + Sylvac gauges

2. Configuration of Mahr gauges and software

- Install Mahr MarCom Professional software and Mahr gauges as described in the Mahr documentation.
- Assign the gauges to the virtual COM ports in the Mahr MarCom Professional software (see MarCom manual) :



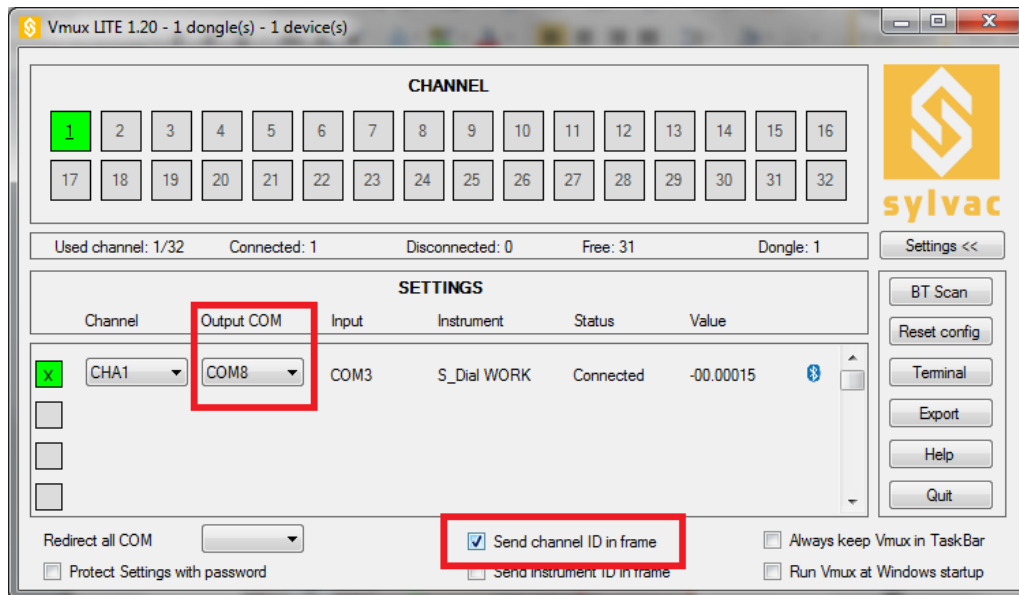
- Start the communication in the Mahr MarCom Professional software :



In the MarCom window, you can always see, if the wireless communication is still available.

3. Configuration of Sylvac gauges and software

- Install Sylvac VMUX Professional software and Sylvac gauges as described in Sylvac documentation.
- Assign the gauges to the Virtual COM ports inside Sylvac VMUX Professional software (see VMUX manual) :



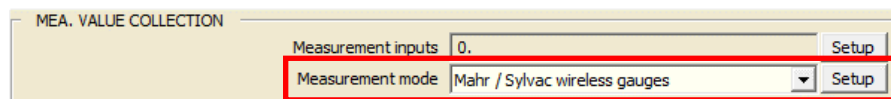
- Activate the checkbox “Send channel ID in frame” inside Sylvac VMUX Professional software.
- Ensure that the decimal separator is configured to “Point”.

In the VMUX window, you can always see, if the wireless communication is still available.

4. Configuration of the special measurement mode

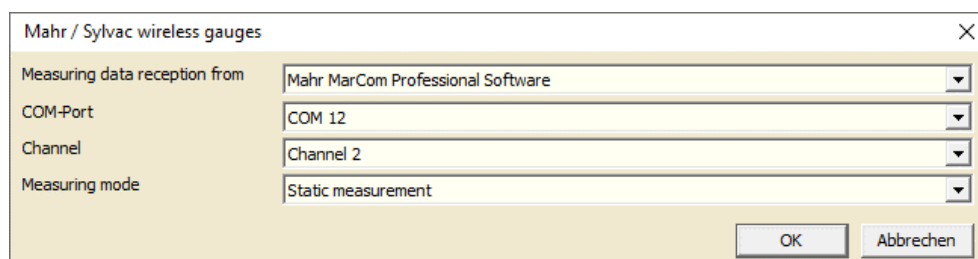
Note : If no IBR hardware is connected, hardware has to be added manually in the hardware settings of the test scheme. Then, the hardware simulation has to be activated, as described in the ComGage manual, chapter 7.2.

The special measurement mode has to be selected for the corresponding characteristic :



The settings for the measurement inputs are ignored. But for performance reasons we recommend the use of a constant, e.g. 0.

The special measurement mode is configured in the following dialogue, which is opened by clicking the *Setup* button :





The following settings can be configured in the setup dialogue :

Measuring data reception from

Here can be selected from which software the measuring values shall be received.

Available are :

- Mahr MacCom Professional Software
- Sylvac VMUX Professional Software

COM port

The virtual COM port of the MarCom / VMUX software has to be selected.

Available are COM 1 ... COM 128.

Channel

The port / channel assigned in the MarCom / VMUX software has to be selected.

Available are :

- Channel 1 ... Channel 8 (if MarCom was selected)
- Channel 1 ... Channel 32 (if VMUX was selected)

Measuring mode

- Static measurement :
This option has to be selected, if a live display of the measuring value is required.
- Gauge-Triggering -> On Data-Reception set R1 ... R1000 :
If single values shall be transmitted and saved when they are received, one of these options has to be selected.
When a value is received, the selected register is set to a value of 1. This can be used to trigger the test step function “Save measured values”. After this, the register has to be manually reset to 0. Here you can see the two required functions (in this example for register R1) :

LIST OF CREATED FUNCTIONS						
No.	Function	Function key	Hand/Footswitch	Dig. Input	Event	FP
X1	Save measured values : C1	---	---	---	Formula : R1=1	6
X2	Setting register(s) : R1=0	---	---	---	Formula : R1>0.	11