

Adjustment Module in get red-y Software (v5)

For the Thermal Mass Flow Meters & Controllers of the red-y smart series

Vögtlin solutions are helping engineers to meet the growing demand for better process control by efficiently and safe operating their gas mass flow meters & controllers.

With the *adjustment module*, the user gets the possibility to verify, adjust and calibrate flow meters & controllers of the *red-y smart series* himself.

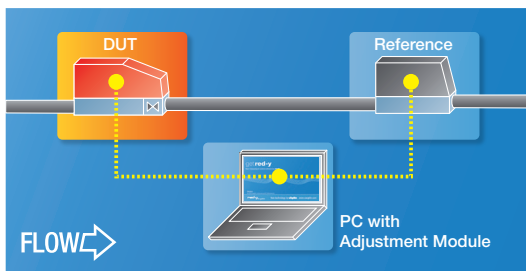


Fig.1 Application scheme for verification and adjustment of a flow device

Operation Principle

Use our innovative software solution to verify, adjust or calibrate your *red-y smart* mass flow meters and controllers (DUT = Device under test) to your factory standard device or a *red-y smart* reference instrument.

Equipment Setup

Use a high precision calibrated *red-y smart* (automatic adjustment) or your factory standard (manual adjustment) as reference instrument.

Software Features

- » Measure calibration points on the DUT and the reference for verification
- » Edit the data via text file or Excel
- » Select single or multiple calibration points
- » Check and compare the results
- » Save the new calibration curve to the *red-y smart* DUT
- » Go back to last settings
- » System requirements: Microsoft Windows XP, Vista, 7

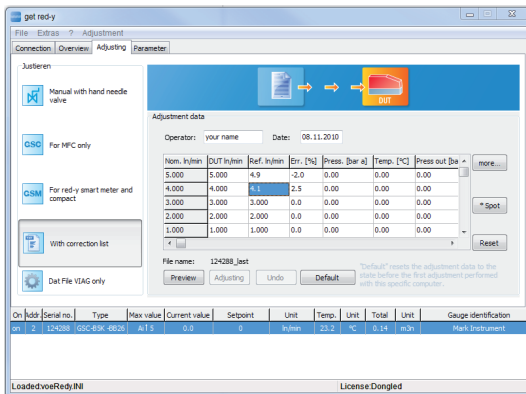


Fig.2 Graphical user interface of the adjustment module

Manual Calibration & Adjustment in 5 Steps

1. Connect your reference instrument or factory standard (REF) into the gas pipe
2. Connect a *red-y smart meter or controller* (DUT) in the same gas pipe and to a computer and start the adjustment module on *get red-y* software
3. Allow gas flow in the entire system and verify 1 or up to 30 measuring/calibration points over the full range
4. The values measured on the REF and on the DUT can now be verified, and if needed the DUT can be adjusted by writing the values into the DUT's flash memory via PC
5. Record results for your files

Automatic Adjustment

For a higher degree of automation in this process we optionally offer an automatic adjustment module. As a precondition, the reference instrument must be of the *red-y smart series*.

Features

- » User-defined measuring/calibration points
- » Increase accuracy and reliability with an average value out of 20 measurements per each point
- » The software shows the optimal adjustment at a glance
- » Start adjustment process with one mouse click

» See page 2 for additional information



Software Licensing

For the use of the software a USB-dongle with the security key is required. Both items are synchronised and can be used together only in this combination.

The licence is a single user licence to be operated on one computer at the same time only. Multiple users need additional licences.

Options

Calibration Box

Several reference instruments are built in a protective housing, optionally in combination with a *PCU1000* process control unit. Thus a handy tool box is available for adjustment and calibration, for instance in a production facility or a laboratory.

Multigas Version

Calibrate up to 10 different gases in one *red-y smart* flow device.

Cables

Communication cable *PC/red-y*, power supply, etc.
(see datasheet *cable accessories for red-y smart series*)



Fig.3 Calibration box with 3 built-in reference devices and optional *PCU1000*

Order Information

Manual Adjustment Module

Art. 328-4201	Single User Licence
	1 licence-dongle, CD, manual, for 1 user

Art. 328-4301	Additional Licence
	1 additional licence-dongle

Automatic Adjustment Module (includes Manual Adjustment Module)

Art. 328-4202	Single User Licence
	1 licence-dongle, CD, manual, for 1 user (to be used only with <i>red-y smart</i> reference instrument)

Art. 328-4302	Additional Licence
	1 additional licence-dongle

