

Version 6.1.11 to replace actual v6.1.09

Product	Firmware v6.1.11 for red-y family smart and industrial devices
Description	Release Development & upgrade of new POC / Bug-fix
Version	FW v6.1.11
Replaces Version	FW v6.1.09
Release Date	04 October 2021
Available on	free get red-y software $\geq v5.7.0.5$
Addressee	smart /Industrial devices using HW v6.0.3 and FW $\leq v6.1.09$

New Function for future use of POC

In continuity of the development for the replacement of our existing *Type Code* by the new *Product Order Code (POC)*

The following device -specific changes were introduced:

- Implementation of two new registers, to support the upcoming Product Order Code (POC) naming of the instruments and adaption of the serial number definition of devices.
Unlike the existing *Type Code*, this new *POC* is a unique code that contains all parameters and settings of a unit as it was originally delivered.

Note:



The "POC naming" information entered in these registers will be written automatically during the manufacturing of your instrument, and will only be accessible to the user in reading mode. For units already in use, these two fields will always remain empty, even after updating to FW v6.1.11.

POC information

Availability:

Actually we are in a transition phase where both Codes are available. The replacement of the current *Type Code* will be finalized in April 2022 with the new *POC*, and the new serial number available on products, tools and documentation.

New format:

Existing Type Code	
GSC-C3SA-BB26	
New Standard Configuration POC (12-Digits)	
GSC-AP4XWE38	
New Special Configuration POC (19-Digits)	
GSC-AP4XWE38-12345S	

The new **POC naming** consists of 12 digits for standard devices and 19 digits for special configurations

Registry info:

Two new dedicated registers are added to read out the POC naming via Modbus interface:

Device Register "product code part 1"					
Address	Read access right	Write access right	Storage	Data type	Default value
0x0404	Customer	Manufacturer	EEPROM	String(12)	-

Device Register "product code part 2"					
Address	Read access right	Write access right	Storage	Data type	Default value
0x040A	Customer	Manufacturer	EEPROM	String(12)	-

This could also be interesting for you:

Product Order Code (POC)

We have collected the most important information about the new Product Order Code (POC)

See the PDF document:

<https://www.voegtlin.com/data/vog-info-customers-POC-CONF-en-21062.pdf>

Get Red-y Software v5.7.0.5:

The new product order code can be accessed using get ged-y software version 5.7.0.5 or higher.

To download the software:

https://www.voegtlin.com/data/329-3017_ml_getredy.zip

Vögtlin Instruments GmbH – gas flow technology
 St.Jakob-Strasse 84| 4132 Muttenz BL (Schweiz)
 Phone +41 (0)61 756 63 0 | Fax +41 (0)61 756 63 0
www.voegtlin.com | info@voegtlin.com



Bug Fix of specific behavior in analog mode

Analog control devices smart and industrial using HW v6.0.3 and FW ≤ v6.1.09

The following bug fixes were introduced with firmware version 6.1.11:

- Analog control: unstable controller behaviour might occur when the analog setpoint is set close to the cut-off point (lowest possible setpoint).

Description:

With the current Smart Hardware (version 6.0.3)* an increased noise was detected on the analog input (setpoint). This increased noise can cause the controller to exhibit unstable behavior when the analog setpoint is set close to the cut-off but within the operating range.

Specifically, the valve may be closed and reopened briefly by the control. This can occur because the increased noise on the signal of the analog input overrides the setpoint of the control of the valve. If the setpoint briefly falls below the set cut-off, the valve is closed by the control.

In the new firmware v6.1.11, increased sampling of the analog input and significantly improved filtering have been implemented. The negative effect due to the increase in noise is now resolved.

Note:

Older generation hardware (version 6.0.0)* doesn't have issues due to increased noise, but the new FW v6.1.11 is also fully compatible with hardware v6.0.0.

It is recommended to update to the new firmware v6.1.11 when having issues as described above.

This could also be interesting for you:

- *Where can I find information about the firmware (FW) and hardware (HW) version of my device?
- Is there a new firmware version that I can update my device with?

See the PDF document:

<https://www.voegtlin.com/data/vog-get-red-y-faq-5.7.0.5-hw-fw-update.pdf>

Vögtlin Instruments GmbH – gas flow technology
St. Jakob-Strasse 84 | 4132 Muttenz BL (Schweiz)
Phone +41 (0)61 756 63 0 | Fax +41 (0)61 756 63 0
www.voegtlin.com | info@voegtlin.com



Current Firmware/Manuals

The following firmware/manuals become valid for your device version:

History		
Smart/Industrial 3	(beginning with SN 109999)	No update
Smart/Industrial 4	(beginning with SN 110000)	smart_4.4.12.rfw
Smart/Industrial 5 (4s)	(beginning with SN 150000)	smart_5.4.15.rfw
from October 4, 2021		
Smart/Industrial 6	(beginning with SN 160000)	smart_6.1.11.rfw
Get red-y Tool	Manual	manualgetredy5.pdf