



Manufacturer Information

for users regarding software updates
(following the NAMUR recommendation 53)

1 Type of device

- ☒ Field device / signal processing device
- ☐ Monitoring- / operation system / hand held terminal etc.
- ☐ Modem / interface

Manufacturer : Endress+Hauser GmbH+Co.KG

Device : Gammapilot M

Type : FMG60

Previous software version : V01.01.02 4...20mA HART

How can the previous software version number be identified:

- (a) by standard HART Comando #0
- (b) by ToF Tool
- (c) by local operation FHX40 (Group selection-> system parameters
-> protocol+sw-no.

2 Firmware/Software

New firm-/software version : V01.01.04 4...20mA HART

Description of the modification in comparison with the predecessor version:

- Bug fix:
- (1-3) only relevant for Density and Concentration mode
- (1) Recalibration for density, correct data are used
- (2) Input concentration table is now possible
- (3) Absorption coefficient not editable after 2-point calibration
- (4) New parameters for the HV (high voltage) controller (for each mode)

3 Compatibility

Is the newly installed firmware/software compatible with the operating tools?

- ☒ Yes
 - ToF Tool Field Tool Package version 2.04. or higher
 - HART Communicator DXR375
 - FHX40 (VU331)

☐ No, description:

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Is a firm-/software update generally recommended?

☒ Yes, reasons:

for point (1) Only in density application, if cal.-point 10 is used for recalibration
for point (2) Only in concentration application, if concentration table is used

The firm-/software update can be performed by means of E+H service via FlashTool, according to service info SM18F/00/en

☒ No, reasons:

for point (3): Is not used/edit from customer, otherwise it is equal to a wrong calibration
for point (4): Only influence on application with very low background radiation. No need to change software for device which is in operation

4 Instruction manual

Is a new instruction manual necessary due to the modification of the firm-/software?

☐ Yes
☒ No

Which manual corresponds to the new firm-/software:

Device	Communication options	Manual	Marking
FMG60	4...20mA HART	Instruction manual	BA236F/00/en/11.04 52023879
FMG60	HART, PA, FF	Description of Instrument Functions	BA287F/00/en/11.05 on ToF-Tool-CD

The new instruction manuals can be referred in Internet:

<http://www.endress.com> - area „DOWNLOAD“
- declaration of the device and kind of manual

5 Price

Change in price of device in comparison with the predecessor version?

☐ Yes, new list price and update costs (without installation) are enclosed
☒ No