



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 : V01.01.04 FOUNDATION Fieldbus FF

How can the previous software version number be identified:

- (a) by PLC
- (b) by ToF Tool
- (c) by local operation FHX40 (Group selection-> system parameters
-> protocol+sw-no.

2 Firmware/Software

New firm-/software version : V01.01.06 FOUNDATION Fieldbus FF

Description of the modification in comparison with the predecessor version:

Bug fix:

- (1) Stable HV-controller at pulse rate <80 c/s
- (2) No sensor error A535 and A165 at pulse rate > 45 000 c/s
- (3) Optimization gammagraphy recognition
- (4) Emerson DeltaV test passed

3 Compatibility

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

- ☒ Yes
 - ToF Tool-Fieldtool Package from Version 3.00.00 or higher
 - HART Communicator DXR 375
 - FHX40 (VU331)

☐ No, description:

Is a firm/software update generally recommended?

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☒ Yes, reasons:

for point 1, 2, 3 and 4: Only necessary if the customer has real problem either with low pulse rate or with high pulse rate or if the gammagraphy recognition or the communication to DeltaV isn't working properly

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 1, 2, 3 and 4: Not necessary if the FMG60 is working satisfactorily

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	FF	Instruction manual	BA330F/00/en/06.05 7100 0011
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