



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 : Micropilot M

Type : FMR23x/24x (HART and PROFIBUS PA)
FMR250 (HART)

Previous software version : FMR23x/24x (HART and PROFIBUS PA) -> V01.02.04
FMR250 (HART) -> V01.01.00

How can the previous software version number be identified:

- (a) by standard HART commando #0
- (b) by ToF Tool
- (c) by Fieldcare / DTM
- (d) by local operation

2 Firmware/Software

New firm-/software version : V01.04.00

Description of the modification in comparison with the predecessor version:

- (1) Creation of window around the actual echo
- (2) Improved evaluation of small echos in the near distance
- (3) Improved suppression of increasing noise levels
- (4) Improved evaluation of small echos with fluctuating amplitude
- (5) Improved tank bottom recognition
- (6) Improved filtering of output value
- (7) Improved function by merging of echo groups
- (8) Optimization of application parameters
- (9) Extension of displayed values by one digit

3 Compatibility

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

- ☒ Yes
 - ToF Tool Field Tool Package version 3.04
 - HART Communicator DXR375
Rev.: 1, DD Rev.: 1
 - Fieldcare version 2.02.00 / DTM Library Release A1-2006
- ☐ No, description:

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Is a firm-/software update generally recommended?

☐ Yes, reasons:

The firm-/software update can be performed by means of ...

☒ No, reasons:

New software optimizes transmitters behaviour. From a signal processing point of view an upgrade is not necessary.

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
FMR230	HART	BA218F/00/de/12.05	52006316
		BA218F/00/en/12.05	52006317
	PROFIBUS PA	BA225F/00/de/12.05	52008591
		BA225F/00/en/12.05	52008592
FMR231	HART	BA219F/00/de/12.05	52006318
		BA219F/00/en/12.05	52006319
	PROFIBUS PA	BA226F/00/de/12.05	52008593
		BA226F/00/en/12.05	52008594
FMR240	HART	BA220F/00/de/12.05	52006320
		BA220F/00/en/12.05	52006321
	PROFIBUS PA	BA227F/00/de/12.05	52008595
		BA227F/00/en/12.05	52008596
FMR244	HART	BA248F/00/de/12.05	52012489
		BA248F/00/en/12.05	52012490
	PROFIBUS PA	BA249F/00/de/12.05	52012491



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FMR245	HART	BA249F/00/en/12.05	52012492
		BA251F/00/de/12.05	52012495
		BA251F/00/en/12.05	52012496
FMR250	PROFIBUS PA	BA252F/00/de/12.05	52012497
		BA252F/00/en/12.05	52012498
		BA284F/00/de/01.06	52025088
FMR2xx	HART	BA284F/00/en/01.06	52025089
		BA331F/00/de/01.06	71007773
		BA331F/00/en/01.06	71007774
FMR2xx	HART / PA / FF	BA221F/00/de/12.05	52006322
		BA221F/00/en/12.05	52006323
		BA291F/00/de/01.06	—
FMR250	HART / PA	BA291F/00/en/01.06	—

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