



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 : Prosonic M

Type : FMU4x (HART and PROFIBUS PA)

Previous software version : FMU4x (HART) -> V01.02.06, FMU4x (Profibus PA) -> V01.02.06

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 actual echo
- (2) Improved evaluation of small echos in near distance
- (3) Improved suppression of increasing noise levels
- (4) Improved evaluation of small echos with fluctuating amplitude
- (5) Improved function filtering of output value
- (6) Improved function by merging of echo groups
- (7) Optimization of application parameters
- (8) 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 4.0
 - 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
FMU4x	HART	BA237F/00/de	52010989
FMU4x	HART	BA237F/00/en	52010990
FMU4x	Profibus PA	BA238F/00/de	52010985
FMU4x	Profibus PA	BA238F/00/en	52010986
FMU4x	Gerätefunktionen	BA240F/00/de	
FMU4x	Device functions	BA240F/00/en	

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