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	: Levelflex M
Type	: FMP40/41C/45 (HART /PA)
Previous software version	: 01.02.06

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   : 01.04.00 (from April 2006)

Description of the modification in comparison with the predecessor version:
    (1) Creation of window around the actual echo
    (2) Automatic adjustment of blocking distances against application parameter "tank properties"
    (3) Gas-Phase Compensation algorithm
    (4)Improved filtering of output value
    (5) Improved function by merging of echo groups
    (6) Asymmetric envelope-curve statistic
    (7) Prevention of negative level-values
    (8) Extension of displayed values by one digit

3 Compatibility

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

☒ Yes
☐ No, description:

    – ToF Tool Field Tool Package ab 2.04
    – HART Communicator DXR 375
    Rev. 1, DD Rev. 1
    – Fieldcare Version 02.02.00 / DTM Library Release A1-2006

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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:

The new software provides special features for an extended application range. 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
FMP40	HART	BA242F/00/de/01.06	52011929
FMP40	HART	BA242F/00/en/01.06	52011930
FMP40	PROFIBUS PA	BA243F/00/de/01.06	52011931
FMP40	PROFIBUS PA	BA243F/00/en/01.06	52011932
FMP41C	HART	BA276F/00/de/01.06	52021032
FMP41C	HART	BA276F/00/en/01.06	52021033
FMP41C	PROFIBUS PA	BA277F/00/de/01.06	52021034
FMP41C	PROFIBUS PA	BA277F/00/en/01.06	52021035
FMP45	HART	BA279F/00/de/01.06	52021038
FMP45	HART	BA279F/00/en/01.06	52021039
FMP45	PROFIBUS PA	BA280F/00/de/01.06	52021040
FMP45	PROFIBUS PA	BA280F/00/en/01.06	52021041

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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 enclosured
☒ No

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