Manufacturer Information

For users regarding firmware and hardware updates
(in accordance with the NAMUR 53 recommendation)

1 Type of device

☒   Field device / signal processing device
☐   Monitoring / operating system

Manufacturer	:	Endress+Hauser SE+Co.KG, 79689 Maulburg
Product	:	Micropilot, Proservo, Tankside Monitor
Part number / Order code	:	NMR81, NMR84, NMS80, NMS81, NMS83, NRF81

Communication / Interface	:	Communication	Device Type
		Fieldbus V01.03.zz /HART/Modbus/V1	Dev Rev 3

2 Firmware, Hardware I

Type of change:

☒   Firmware version
☐   Hardware I revision

Old version / revision	:	Firmware V01.02.zz, HART, Dev Rev 2
New version / revision	:	Firmware V01.03.zz, HART, Dev Rev 3

How can the old Firmware version / Hardware I revision number be identified:

1. Local operation (Diagnose -> Device Info -> Firmware version) or at Device Start-up in the Display

2. Via FieldCare

Description of the modification with respect to the old Firmware version / Hardware I revision:

1. Support Remote Display A300

2. Additional language (Russian)

3. CTSh with wire compensation for Servo

4. SIL Proof Test with W&M lock possible

5. Event Logbook improvement

6. Optimization

Endress+Hauser

People for Process Automation

3   Functional Safety

Impact on Functional Safety:

☒   No
☐   Yes

Changes in safety figures:

☒   No
☐   Yes → new figures refer to Safety Manual (chapter 5)

4   Compatibility (Firmware, Hardware I)

Is the new Firmware version compatible with the previous version, the installed device drivers, the operating tool compatible / is the new Hardware I revision compatible with the previous revision?

☒   Yes
☐   No, description:

Is a Firmware / Hardware I update generally recommended?
☐   Yes, reason:

The firmware update / hardware exchange can be performed by means of:
- Replacement of electronic circuit boards; communication and amplifier module
  (This procedure is described in the operating instructions of the measuring system).
- Flashing the new firmware by means of; service or configuration program

☒   No, reason:

An update is recommended in the following cases:
- To use the newly implemented functions

5   Documentation

Instruction manual

Is a new instruction manual required because of the changes in point 2?

☒   Yes
☐   No

Which manual corresponds to the new Firmware version / Hardware I revision:

Device	Communication option	Manual	Documentation code
NMR81	--	Operation instruction	BA01450G/00/EN/04.18
NMR84	--	Operation instruction	BA01453G/00/EN/04.18
NMS80	--	Operation instruction	BA01456G/00/EN/04.18
NMS81	--	Operation instruction	BA01459G/00/EN/04.18

NMS83	--	Operation instruction	BA01462G/00/EN/04.18
NRF81	--	Operation instruction	BA01465G/00/EN/04.18

Safety manual

Is a new safety manual required because of the changes in point 2?

☒ Yes
☐ No

Which safety manual corresponds to the new Firmware version / Hardware revision:

Device	Manual	Documentation code
NMS8x	SD01920G/00/EN/02.18	Proservo NMS80/81/83 SIL
NMR8x	SD01891G/00/EN/03.18	Micropilot NMR81/84 SIL
NRF81	SD01929G/00/EN/02.18	Tankside Monitor NRF81 SIL

The new manuals can be downloaded from the Internet:
www.endress.com   - area "DOWNLOADS"
                                        - enter the device details and type of manual

6   Price

Has the price of the device changed?

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