Manufacturer Information

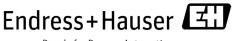For users regarding firmware and hardware updates
(in accordance with the NAMUR 53 recommendation)

1   Type of device

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

Manufacturer	:	Endress+Hauser Flowtec AG
Product	:	Proline Promass 300 HART
		Proline Promass 500 HART
Part number / Order code	:	8A3C – xxxxxxxxxxxxxxA2x
		8[A|C|E|F|H|I|O|P|Q|S|X]3B – xxxxxxxxxxxxxxA2x
		8A5C – xxxxxxxxxxxxxxA2x
		8[A|C|E|F|H|I|O|P|Q|S|X]5B – xxxxxxxxxxxxxxA2x

Communication / Interface	:	Communication	Device Type
		HART	0x113B

2   Firmware, Hardware I

Type of change:

☒   Firmware version
☐   Hardware I revision

Old version / revision	:	1.05.02
New version / revision	:	1.06.00

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

- Local display
- Connection nameplate
- Configuration and service software e.g. FieldCare or web server

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

- Promass Q: additional nominal diameter DN150, DN200, DN250
- New function: Build-Up detection inclusive setup wizard as part of Heartbeat Technology feature set
- New function: Wizard for zero-point adjustment and setting
- New function: Asian fonts for Heartbeat Technology verification reports
- Improved: extended display value to 6 decimal places
- Improved: added volume flow units: Mft³/d, Mft³/h, Mft³/min, Mft³/s

Endress+Hauser

People for Process Automation

- Improved: "Heartbeat Verification": Heartbeat Verification now possible also in custody transfer locked state, removed indication of PDF rendering tool in Heartbeat Technology verification report
- Improved "Value Simulation": Simulation value is no longer influenced by signal suppression like Low Flow Cutoff or empty pipe detection.
- Improved "Parameter Handling": Input Parameter "Fixed density" only visible when "Density mode/source" is set to "Fixed density".
- Improvement: Extended gas selection
  - Methan CH4 + 10% Hydrogen
  - Methan CH4 + 20% Hydrogen
  - Methan CH4 + 30% Hydrogen

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:

  See list of changes at chapter 2

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

  See list of changes at chapter 2

The firmware update exchange can be performed by means of:
- Flashing the new firmware by means of; service or configuration program, i.e. FieldCare / Webserver

☒ No, reason:

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
Promass A 300	HART	Operating Manual	BA01816D/06/EN/04.22-00
Cubemass C 300	HART	Operating Manual	BA01483D/06/EN/05.22-00
Promass E 300	HART	Operating Manual	BA01484D/06/EN/05.22-00
Promass F 300	HART	Operating Manual	BA01485D/06/EN/05.22-00
Promass H 300	HART	Operating Manual	BA01486D/06/EN/04.22-00
Promass I 300	HART	Operating Manual	BA01487D/06/EN/05.22-00
Promass O 300	HART	Operating Manual	BA01488D/06/EN/05.22-00
Promass P 300	HART	Operating Manual	BA01489D/06/EN/04.22-00
Promass Q 300	HART	Operating Manual	BA01490D/06/EN/06.22-00
Promass S 300	HART	Operating Manual	BA01491D/06/EN/05.22-00
Promass X 300	HART	Operating Manual	BA01492D/06/EN/04.22-00
Promass A 500	HART	Operating Manual	BA01817D/06/EN/04.22-00
Cubemass C 500	HART	Operating Manual	BA01527D/06/EN/05.22-00
Promass E 500	HART	Operating Manual	BA01528D/06/EN/05.22-00
Promass F 500	HART	Operating Manual	BA01529D/06/EN/05.22-00
Promass H 500	HART	Operating Manual	BA01530D/06/EN/04.22-00
Promass I 500	HART	Operating Manual	BA01531D/06/EN/05.22-00
Promass O 500	HART	Operating Manual	BA01532D/06/EN/05.22-00
Promass P 500	HART	Operating Manual	BA01533D/06/EN/04.22-00
Promass Q 500	HART	Operating Manual	BA01534D/06/EN/06.22-00
Promass S 500	HART	Operating Manual	BA01535D/06/EN/05.22-00
Promass X 500	HART	Operating Manual	BA01536D/06/EN/04.22-00

Safety manual

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

☐ Yes

☒ No, only for Promass Q DN150, DN200, DN250

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

Device	Manual	Documentation code
Promass 300 HART	Functional Safety	SD01727D/06/EN/09.22-00
Promass 500 HART	Functional Safety	SD01729D/06/EN/09.22-00
Cubemass C 300 HART	Functional Safety	SD01726D/06/EN/07.22-00
Cubemass C 500 HART	Functional Safety	SD01728D/06/EN/07.22-00

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