

# 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 Promag 100 Electromagnetic Flowmeter  
Part number / Order code : 5[E|H|P]1B-xxMxxxxxxx

Communication / Interface : Communication Device Type  
Modbus RS485 0x643A

## 2 Firmware, Hardware I

Type of change:

- Firmware version  
 Hardware I revision

Old version / revision : 1.00.02  
New version / revision : 1.01.01

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

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

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

- Heartbeat diagnosis
- Custody transfer
- Binomial filter
- Performance improvements
- Conductivity measurement

## 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:
  - Performance improvements
  - Conductivity measurement

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:

#### 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   |
|--------------|----------------------|------------------------|----------------------|
| Promag E 100 | Modbus               | Operating instructions | BA01306D/06/EN/02.17 |
| Promag H 100 | Modbus               | Operating instructions | BA01175D/06/EN/02.14 |
| Promag P 100 | Modbus               | Operating instructions | BA01176D/06/EN/03.17 |

## 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 I revision:

| Device | Communication option | Manual | Documentation code |
|--------|----------------------|--------|--------------------|
|--------|----------------------|--------|--------------------|

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The new manuals can be downloaded from the Internet:

[www.endress.com](http://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