

# 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  
 Product : HART® - Temperature transmitter  
 Part number / Order code : iTEMP TMT162

Communication / Interface	:	Communication	Device Type
		HART®	0x11CE

## 2 Firmware, Hardware I

Type of change:

- Firmware version  
 Hardware I revision

Old version / revision : 04.01.zz (FW) / DevRev. 4  
 New version / revision : 04.02.00 (FW) / DevRev. 5

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

Display (display of current firmware at device start-up), nameplate, parameter in configuration software)

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

Additional parameter to select how the transmitter is to be reset from the active backup mode to normal operation. There is a choice between automatic reset (factory setting - previous device behaviour) or manual reset to normal operation.

With the new "Manual" selection, the user must restart the device or confirm via the operating menu that the transmitter should return to normal operation when the "M016 - Sensor available again" diagnosis is active.

### 3 Functional Safety

Impact on Functional Safety:

- No
- Yes

The new parameter is a safety relevant parameter and influences the CRC SIL checksum. With the standard device configuration, there is no change to the device behaviour regarding functional safety.

Changes in safety figures:

- No
- Yes

### 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:

The new firmware requires a new DTM (FDT tool) or an EDD (PDM, AMS, etc.) to fully support all new functions.

Is a Firmware / Hardware I update generally recommended?

- No
- 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:

The firmware update was not performed due to a device error, but to extend the functionality of the transmitter (see change to previous version).

## 5 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
TMT162	HART®	Operation manual	BA01801T/09/04.24

The new instruction 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 Reporting of a detected security vulnerability

Not relevant

## 7 Price

Has the price of the device changed?

- Yes, new list price and update costs (without installation) are attached.  
 No