

# 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 GmbH+Co.KG	
Product	:	Nivotester with Liquiphant FTL5x/FTL7x Nivotester with Soliphant FTM5x	
Part number / Order code	:	FTL325P	
<del>Communication</del> / Interface	:	Communication PFM	Device Type -----

## 2 Firmware, Hardware I

Type of change:

- Firmware version  
 Hardware I revision

Old version / revision	:	HW-V01.00
New version / revision	:	HW-V02.00

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

Marking on the nameplate. All devices before the model year 2015 without marking are comply with the HW version 01.00.

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

Due to the phase out of an electronic part we had to do a hardware update. The new HW 02.00 has slightly worse SIL values, based on the new calculation according to IEC61508 edition 2011.

The PFDavg (HW02.00) value is far below the allowable limit for SIL2 applications. The verification of the proof test has changed. The SIL calculation for the entire plant must optionally recalculate.

### 3 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:

No update required

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:

No device exchange required, no firmware existing

### 4 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
FTL325P	PFM	Liquiphant	SD01508F
FTL325P	PFM	Soliphant	SD00207F

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

### 5 Price

Has the price of the device changed?

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