

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
 Part number / Order code : FTL325N

Communication / Interface	:	Communication	Device Type
		NAMUR	-----

2 Firmware, Hardware I

Type of change:

- Firmware version
 Hardware I revision

Old version / revision : HW-01.00
 New version / revision : HW-02.00

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:

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
FTL325N	NAMUR with FEL56	Safaty Manual	SD01522F
	NAMUR with FEL58	Safaty Manual	SD01521F

The new instruction manuals can be downloaded from the Internet:

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