Document code / 13.11.2015 Products Solutions Services

Type of device

1

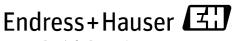
## **Manufacturer Information**

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

	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				
Communication / Interface		:	Communication	Device Type			
michia	ice		PFM				
2 Fir	mware, Hardware I						
Type of change:							
X	Firmware version Hardware I revision						
Old ve	rsion / revision	:	HW-V01.00				
New version / revision		:	HW-V02.00				
How c	an the old Firmware	versio	n / Hardware I revision n	umber be identified:			
	ng on the nameplate. <i>A</i> V version 01.00.	All dev	ices before the model year	2015 without marking are comply with			
Descri	ption of the modifica	tion w	ith respect to the old Fir	mware version / Hardware I revision:			
Due to	the phase out of an el	ectron	ic part we had to do a hard	lware update. The new HW 02.00 has			
slightl	y worse SIL values, bas	ed on	the new calculation accord	ling to IEC61508 edition 2011.			

The PFDavg (HW02.00) value is far below the allowable limit for SIL2 applications. The verification

of the prooftest has changed. The SIL calculation for the entire plant must optionally recalculate.



3	Compatibility (Firmware, Hardware I)							
		version compatible with the previble / is the new Hardware I revision						
	Yes No, description	ı:						
Is □	<b>a Firmware / Hard</b> Yes, reason:	ware I update generally recomme	ended?					
No	o update required							
•	Replacement of ele (This procedure is de	/ hardware exchange can be perfor ctronic circuit boards; communicati scribed in the operating instructions or rmware by means of; service or cor	ion and amplifier mod f the measuring system)					
$\boxtimes$	No, reason:							
No	o device exchange re	equired, no firmware existing						
4	Instruction manu	al						
Is	a new instruction	manual required because of the c	hanges in point 2?					
	Yes No							
W	hich manual corresp	oonds to the new Firmware version	/ Hardware I revision	:				
De	evice	Communication option	Manual	Documentation code				
FΤ	TL325P	PFM	Liquiphant	SD01508F				
FT	TL325P	PFM	Soliphant	SD00207F				
	ne new instruction m ww.endress.com	nanuals can be downloaded from th - area "DOWNLOADS" - enter the device details and t						
5	Price							
На	as the price of the de	evice changed?						
	Yes, new list price and update costs (without installation) are attached							

 $\boxtimes$ 

No