



Level



Pressure



Flow



Temperature



Liquid Analysis



Registration



Systems Components



Services



Solutions

Manufacturer Information

for users regarding software updates
(following the NAMUR recommendation 53)

1. Type of device

- Field device / signal processing device
- Monitoring- / operation system / hand held terminal etc.
- Modem / interface

Manufacturer : Endress+Hauser Flowtec AG
 Device : Ultrasonic Flow Measuring System
 Type : Prosonic Flow 91 HART (0x62)
 Order code : 91***_*****A

2. Software

Previous firmware version : 1.00.01
 New firmware version : 1.00.02
 How can the previous firmware version be identified? :

- Local display
- Nameplate for connections
- Configuration and service software e.g. FieldCare
- Handheld terminal for remote communication e.g. Field Xpert SFX100

 Description of the modifications in comparison to the previous firmware version :

- Improved error handling:
 - Notice of parameterization errors is indicated with error code 437 "Configuration"
- Improved test of the maximum pulse frequency
- Optimization of the updating of error indication during start up

3. Compatibility

Is the operating tool compatible with the installed device firmware?

- Yes
- No, description:

An update of the DD's (device description) is required for all operating tools in use.



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Is a firmware update generally recommended?

- Yes:
 No, reason:

If the additional properties are not required for the operation of the measurement system, then no firmware update is necessary.

4. Instruction manual

Is a new instruction manual necessary due to the modification of the firmware?

- Yes
 No

Which manual corresponds to the new firmware?

Device	Communication options	Manual	Identification
Prosonic Flow 91	HART	Operating Instructions	BA100D/06/en/04.06

The new instruction manuals can be referred in Internet:

<http://www.endress.com> - area „DOWNLOAD“
 - declaration of the device and kind of manual

5. Price

Change in price of device in comparison with the predecessor version?

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