Manufacturer Information

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

Yokogawa PRM HART Package V1.08.00

1 Type of Product

☐ Field device / signal processing device
☒ Software application for display and monitoring / asset management / handheld terminal etc.
☐ Modem / interface

Manufacturer	: Endress+Hauser Process Solutions AG
Product	: Yokogawa PRM HART Package V1.08.00
Type and order code	: n.a.

2 Software

Previous software version	: 1.07.00
New software version	: 1.08.00
How can the previous software version number be identified?	: -
Description of the modification in comparison with the predecessor version	: See attachment Release Notes, chapter Revision History.

3 Compatibility

Is the new product software compatible with the previous version, installed device driver components and operating tools?

☒ Yes
☐ No, reason:

Is a software update generally recommended?

☒ Yes, reason:

3 new devices added to the package.

☐ No, reason:

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4 Instruction manual

Is a new instruction manual necessary due to the software modification?

☐ Yes
☒ No

The manual that corresponds to the new software version is:

Product	Communication options	Manual type	Document identifier
N.A.	N.A.	N.A.	N.A.

5 Price

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

☐ Yes, new list price and update costs (without installation) are enclosured
☒ No

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Release Notes
PRM HART Package V1.08.00

Endress+Hauser Process Solutions AG
Kägenstrasse 2
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Switzerland

Table of Contents

1 Revision History

Package-Version	Addition/Change
1.08.00	New Devices added to the package: • Promag 200 Rev.2 DD Rev.1 • Promass 200 Rev.5 DD Rev.1 • Liquiline M pH/ORP Rev.1 DD Rev.1 • Liquiline M Conductivity Rev.1 DD Rev.1 • Liquiline M Doxygen Rev.1 DD Rev.1 • Micropilot FMR5x Rev.2 DD Rev.1 Improvments: • Cerabar S Rev.22 DD Rev.3 • Deltabar S Rev.22 DD Rev.3 • Deltapilot S Rev.22 DD Rev.3
1.07.00	New Devices added to the package: • Promag 100 Rev.2 DD Rev.1 • Promass 100 Rev.2 DD Rev.1 • Promag 400 Rev.6 DD Rev.1 • Cerabar S Rev.22 DD Rev. 1 • Deltabar S Rev.22 DD Rev. 1 • Deltapilot S Rev.22 DD Rev.1 • Promag 53 Rev.9 DD Rev.1 • Promass 83 Rev.10 DD Rev.1 • Prowirl 200 Rev.3 DD Rev.1
1.06.00	New Devices added to the package: • T-mass LT 150 Rev.1 DD Rev.1 • Prowirl 200 Rev.2 DD Rev.1 • iTEMP TMT82 Rev.2 DD Rev.1
1.05.00	New Devices added to the package: • Prosonic Flow B 200 Rev.2 DD Rev.1 • Micropilot FMR5x Rev.1 DD Rev.1 • Promag 100 Rev.1 DD Rev.1 • Promass 100 Rev.1 DD Rev.1 • Promag 400 Rev.2 DD Rev.1 • Liquiline M CM42 pH/ORP Rev.14 DD Rev.1 • Liquiline M CM42 Cci Rev.17 DD Rev.1 • Liquiline M CM42 DO Rev.24 DD Rev.1 • Promag 400 mod. Rev.5 DD Rev.1
1.04.00	New Devices added to the package: • Promass 200 Rev.3 DD Rev.1 • Promag 200 Rev.1 DD Rev.1 Improvments: • T-mass 150 Rev.1: no duplicate menus available
1.03.00	New Devices added to the package: • Prosonic Flow B 200 Rev.1 DD Rev.1

	• t-mass 150 Rev. 1 DD Rev.1 • Electronic DP Rev.1 DD Rev.1
1.02.00	<u>New Devices added to the package:</u> Prosonic Flow 91 Rev3 Prosonic Flow 93 Rev.8 Liquiline CM44x Rev.1 Liquistation CSFx Rev.1 Liquiport CSPx Rev.1 Promass 200 Rev.2* Liquiline M CM42 Cci Rev.16* Liquiline M CM42 DO Rev.23* Liquiline M CM42 pH/ORP Rev.13*
1.01.00	<u>New Devices added to the package:</u> Levelflex FMP5x Rev2* Promag 50 Rev9 Promag 51 Rev9 Promag 53 Rev8 Promag 55 Rev4 Prowirl 72 Rev7 Prowirl 73 Rev7 Promass 40 Rev9 Promass 80 Rev9 Promass 83 Rev9 Promass 84 Rev9 iTEMP TMT82 Rev1 iTEMP TMT142 Rev2* iTEMP TMT162 Rev2* <u>Improvments:</u> Levelflex FMP5x Rev1* – some improvements implemented
1.00.00	<u>New Devices added to the package:</u> Prosonic Flow 92 Rev7 Prosonic Flow 93 Rev2 Prowirl 72 Rev6 * Prowirl 73 Rev6 Gammapilot M Rev2* Levelflex Rev1* iTemp TMT142 Rev2 * iTemp TMT162 Rev2 * * IMPORTANT: Look for further details in chapter 4 Known problems and limitations section!

2 Installation

Verify that no PRM application is running. Use the DD installation utility from PRM to install the DDs, .cfg and .bmp files. During the installation warnings could appear in fact of already installed files which are used in different setups. The .cfg and .bmp file for Device Viewer can be deleted and replaced with a new one within the corresponding folder.

3 Deliverables

Component	Description of supported products
PRM_HART_Flow.zip	Driver package for flow HART devices
PRM_HART_Level.zip	Driver package for level HART devices
PRM_HART_Temp.zip	Driver package for temperature HART devices
PRM_HART_Analysis.zip	Driver package for analysis HART devices

4 Known problems and limitations

4.1 Flow setup

Prowirl 72 Rev6 and Promass 200 Rev.2 needs a separate tokenized DD for the PRM system. It s delivered by the package and should be installed for a working PRM DeviceViewer file.
The seperate DD contains a reference to the status parameter displayed in the PRM DeviceViewer file.
The DD isn t registred seperatly.

t-mass LT 150: Has to be connected via an supply isolator to the Yokogawa system to ensure a stable communication.

The device Promass 200 Rev. 5 is not able to display changing units in the category [ADD_INFO] in the CFG-File for Yokogawa/Devcie Viewer. This issue is known and in current processing with Yokogawa.

4.2 Level setup

Gammapilot M Rev2, Levelflex FMP5x Rev1 and Levelflex FMP5x Rev2 need a separate tokenized DD for the PRM system. They re delivered by the package and should be installed for a working PRM DeviceViewer file.
The seperate DD contains a reference to the status parameter displayed in the PRM DeviceViewer file.
The DDs aren t registred seperatly.

The device Micropilot FMR5x Rev. 1 is not able to display changing units in the category [ADD_INFO] in the CFG-File for Yokogawa/Devcie Viewer. This issue is known and in current processing with Yokogawa.

4.3 Temp setup

iTemp TMT142 Rev2 and iTemp TMT162 Rev2 need a separate tokenized DD for the PRM system. They re delivered by the package and should be installed for a working PRM DeviceViewer file.

The seperate DD contains a reference to the status parameter displayed in the PRM DeviceViewer file.
The DDs aren t registred seperatly.

4.4 Analysis setup

Liquiline M CM42 Cci Rev.16 , Liquiline M CM42 DO Rev.23 and Liquiline M CM42 pH/ORP Rev.13 needs a separate tokenized DD for the PRM system. It s delivered by the package and should be installed for a working PRM DeviceViewer file.
The seperate DD contains a reference to the status parameter displayed in the PRM DeviceViewer file.
The DD isn t registred seperatly.

5 Setup Content

Each setup contains 2 types of files.
Device drivers are available on the Fieldbus Foundation Organisation homepage.

Configuration file for Device Viewer :	.cfg
Bitmap Image File including the device icon:	.bmp

PRM HART Device List
Package 1.08.00

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Nb.	Type	Device		Dev Rev.	DD Rev.	Device Type	Tested PRM Version
1	Pressure	**Cerabar S**	**PMC71**	**22**	**3**	**0018**	**R3.12**
2		**Deltabar S**	**FMD76**	**22**	**3**	**0017**	**R3.12**
3	Level	**Deltapilot S**	**FMB70**	**22**	**3**	**001A**	**R3.12**
4		Gammapilot M	FMG 60	2	1	1013	R3.02
5		Electronic DP	FMD72	1	1	0027	R3.05
6		Levelflex FMP5x	FMP 5x	1	1	1022	R3.05
7		Levelflex FMP5x	FMP 5x	2	1	1022	R3.05
8		Micropilot FMR5x	FMR5x	1	1	0028	R3.05
9		**Micropilot FMR5x**	**FMR5x**	**2**	**1**	**0028**	**R3.12**
10	Flow	Promag	50	9	1	0041	R3.02
11		Promag	51	9	1	0043	R3.02
12		Promag	53	8	1	0042	R3.02
13		Promag	53	9	1	0042	R3.11
14		Promag	55	4	1	0044	R3.02
15		Promag	200	1	1	0048	R3.05
16		**Promag**	**200**	**2**	**1**	**0048**	**R3.12**
17		Promag	100	1	1	003A	R3.05
18		Promag	100	2	1	003A	R3.05
19		Promag	100	2	1	003A	R3.11
20		Promag	400	2	1	0047	R3.05
21		Promag	400	5	1	0067	R3.05
22		Promag	400	6	1	0067	R3.11
23		Prowirl	72	6	1	1051	R3.02
24		Prowirl	73	6	1	1051	R3.02
25		Prowirl	72	7	1	1059	R3.05
26		Prowirl	73	7	1	1059	R3.05
27		Prowirl	200	2	1	0038	R3.11
28		Prowirl	200	3	1	0038	R3.11
29		Prosonic Flow	91	3	1	0062	R3.05
30		Prosonic Flow	92	2	1	0061	R3.02
31		Prosonic Flow	93	7	1	0059	R3.02
32		Prosonic Flow	93	8	1	0059	R3.05
33		Promass	40	9	1	0053	R3.05
34		Promass	80	9	1	0050	R3.05
35		Promass	83	9	1	0051	R3.05
36		Promass	83	10	1	0051	R3.11
37		Promass	84	9	1	0052	R3.05
38		Promass	200	2	1	0054	R3.05
39		Promass	200	3	1	0054	R3.05
40		**Promass**	**200**	**5**	**1**	**0054**	**R3.12**
41		Promass	100	1	1	004A	R3.05
42		Promass	100	2	1	004A	R3.05
43		Promass	100	2	1	004A	R3.11
44		Prosonic Flow B	200	1	1	005A	R3.05
45		Prosonic Flow B	200	2	1	005A	R3.05
46		t-mass	150	1	1	0066	R3.05
47		t-mass LT	150	1	1	0068	R3.11
48	Temperature	iTEMP	TMT142	2	3	00CB	R3.05

PRM HART Device List
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Nb.	Type	Device		Dev Rev.	DD Rev.	Device Type	Tested PRM Version
49		iTEMP	TMT162	2	3	00CA	R3.05
50		iTEMP	TMT82	1	1	00CC	R3.05
51		iTEMP	TMT82	2	1	11CC	R3.11
52	Analysis	Liquiline	CM44x	1	1	119C	R3.05
53		Liquistation	CSFx	1	1	119D	R3.05
54		Liquiline M pH/ORP	CM42	13	1	008F	R3.05
55		Liquiline M pH/ORP	CM42	14	1	008F	R3.11
56		**Liquiline M pH/ORP**	**CM42**	**1**	**1**	**11A0**	**R3.12**
57		Liquiline M Conductivity	CM42	16	1	0090	R3.05
58		Liquiline M Conductivity	CM42	17	1	0090	R3.11
59		**Liquiline M Conductivity**	**CM42**	**1**	**1**	**11A1**	**R3.12**
60		Liquiline M Doxygen	CM42	23	1	009B	R3.05
61		Liquiline M Doxygen	CM42	24	1	009B	R3.11
62		**Liquiline M Doxygen**	**CM42**	**1**	**1**	**11A2**	**R3.12**

* New Devices
* Driver Modification