

## List of Tested Devices and Versions HON01

Honeywell Experion PKS and FOUNDATION Fieldbus for  
Oil & Gas Industry

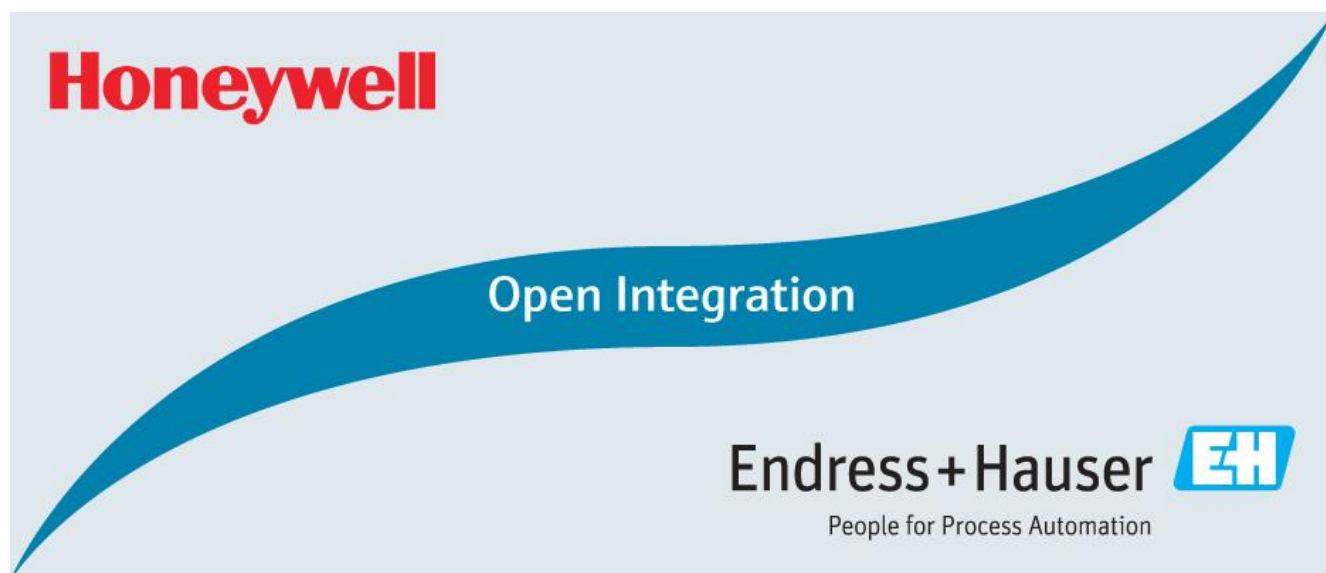




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## 1 Document Information

### 1.1 Purpose and Scope

This document lists all relevant components and devices with versions as used for testing of the Reference Topology HON01. All content of this document is jointly developed, reviewed and approved by Honeywell and Endress+Hauser as a common deliverable of Open Integration.

### 1.2 Document History

This is version 1.00.00 of this document. Version history:

Version	Released	Description
1.00.00	2017.04	Initial version



### 1.3 Related Documents

Please refer to related documents as listed below:



Document	Description
SD01851S/04/EN/01.17	Reference Topology HON01
SD01852S/04/EN/01.17	Integration Tutorial HON01
SD01853S/04/EN/01.17	Integration Test Summary HON01


## 2 Process Control System

### 2.1 Reference Software

<b>Honeywell</b>	<b>Detail</b>	<b>Description</b>
<b>Configuration Studio</b> 	Function	Configuration and commissioning of EPKS
	Order code	
	SW version	EPKS R432.1
	Operating system	Windows Server 2008 Ultimate SP1 (x64)
	Other relevant information	
<b>FDM</b> 	Function	Plant Asset Management Tool
	Order code	
	SW version	F450
	Operating system	Windows Server 2008 Ultimate SP1 (x64)
	Other relevant information	

### 2.2 Reference Hardware

<b>Honeywell</b>	<b>Detail</b>	<b>Description</b>
<b>Experion PKS</b> 	Function	CF9 / Control Firewall with 9 ports
	Order name, code	
	FW version	EXP432.1-10.0
	CommDTM	n.a.
	Other relevant information	
<b>Experion PKS</b> 	Function	C300 / Controller
	Order name, code	
	FW version	EXP432.1-10.0
	CommDTM	n.a.
	Other relevant information	

	Detail	Description
	Experion PKS	FIM4 / Fieldbus Interface Module
	Order name, code	
	FW version	EXP432.1-10.0
	CommDTM	n.a.
	Other relevant information	










## 3 Field Network Infrastructure

### 3.1 Reference Hardware

The FOUNDATION Fieldbus H1 Network is mandatory for this reference topology. Honeywell Process Solutions and Endress+Hauser recommend using the Pepperl+Fuchs components listed below.

Reference hardware:




 PEPPERL+FUCHS	Details	Description
	Function	Motherboard for Compact Fieldbus Power Hub, 4 segments
	Order Code	MBHC-FB-4R.HSC
	Other relevant information	
	Function	Fieldbus power supply module for standard application; Output values 28 V @ 500 mA
	Order Code	HCD2-FBPS-1.500
	Other relevant information	2 Fieldbus power supply modules are required for 1 segment
	Function	Advanced physical layer diagnostic module (optional)
	Order Code	HD2-DM-A
	Firmware Version	1.4.2.763
	CommDTM	HD2-DM-A
	Other relevant information	This card is optionally installed in the dedicated diagnostic module slot of the motherboard

 PEPPERL+FUCHS	Details	Description
Segment Protector 	Function	Fieldbus device coupler for safe area or Zone 2 application, 8 channels.
	Order Code	R2-SP-IC8
	Other relevant information	
Field Barrier 	Function	Fieldbus device coupler for Zone 1 application, 8 channels.
	Order Code	R4D0-FB-IA8
	Other relevant information	




## 4 Field Devices




### 4.1 FOUNDATION Fieldbus



Endress+Hauser   
People for Process Automation


	Detail	Description	Device Type
<b>Cerabar S</b> 	Function	Absolute and Gauge Pressure Transmitter	0x1007
	Order Code	PMP71-AQC1H11GAAAA74Z1	
	Serial No.	L8060C0109C	
	FW version	V4.00.01	
	DD	<a href="http://www.fieldbus.org">www.fieldbus.org</a> IT085500 / 452B48 / 1007 / 0702 → IT090800.zip	
		<a href="http://www.endress.com/downloads">www.endress.com/downloads</a> EH_FF_PR_CerabarS_0x1007b_0x07_0x02_FFLIB	
	DTM	EH_Cerabar_S_PMx_7x_FF_FW_4_00_zz_Dev_Rev_7 V1.6.52.138 / 2015.10.21 / DTM Library 2.43	
<b>Deltabar S</b> 	Function	Differential Pressure Transmitter	0x1009
	Order Code	PMD75-AQC7D11BAAAPB74Z1	
	Serial No.	L8028C0109D	
	FW version	V4.00.01	
	DD	<a href="http://www.fieldbus.org">www.fieldbus.org</a> IT085400 / 452B48 / 1009 / 0702 → IT090700.zip	
		<a href="http://www.endress.com/downloads">www.endress.com/downloads</a> EH_FF_PR_DeltabarS_0x1009b_0x07_0x02_FFLIB	
	DTM	EH_Deltabar_S_xMD_7x_FF_FW_4_00_zz_Dev_Rev_7 V1.6.52.138 / 2015.10.21 / DTM Library 2.43	
<b>Deltapilot S</b> 	Function	Hydrostatic Level Transmitter	0x100B
	Order Code	FMB70-AQC1F1201CAA74Z1	
	Serial No.	L80133010AE	
	FW version	V4.00.01	
	DD	<a href="http://www.fieldbus.org">www.fieldbus.org</a> IT085600 / 452B48 / 100B / 0702 → IT090900.zip	
		<a href="http://www.endress.com/downloads">www.endress.com/downloads</a> EH_FF_LE_DeltapilotS_0x100Bb_0x07_0x02_FFLIB	
	DTM	EH_Deltapilot_S_FMB_70_FF_FW_4_00_zz_Dev_Rev_7 V1.6.52.138 / 2015.10.21 / DTM Library 2.43	



	Detail	Description	Device Type
<b>Omnigrad S</b> 	Function	Thermometer with Head Transmitter	0x10CE
	Order Code	TR10-ABA1CAS1D3000TZD	
	Serial No.	KC05CD14152	
	FW version	V2.00.04	
	DD	<a href="http://www.fieldbus.org">www.fieldbus.org</a> IT085900 / 452B48 / 10CE / 0204 → IT107900.zip	
		<a href="http://www.endress.com/downloads">www.endress.com/downloads</a> EH_FF_TE_iTEMP_0x10CE_0x02_0x04_FFLIB	
	DTM	EH_iTEMP_TMT85_FF_FW_2_00_zz_Dev_Rev_2 V1.6.52.138 / 2015.10.21 / DTM Library 2.43	
<b>iTEMP</b> 	Function	Temperature Field Transmitter	0x10CC
	Order Code	TMT162-A111AAKABZD	
	Serial No.	KC044204223	
	FW version	V2.00.16	
	DD	<a href="http://www.fieldbus.org">www.fieldbus.org</a> IT099000 / 452B48 / 10CC / 0304 → IT108000.zip	
		<a href="http://www.endress.com/downloads">www.endress.com/downloads</a> EH_FF_TE_iTEMP_0x10CC_0x03_0x04_FFLIB	
	DTM	EH_iTEMP_TMT162_FF_FW_2_00_zz_Dev_Rev_3 V1.6.52.138 / 2015.10.21 / DTM Library 2.43	
<b>Micropilot</b> 	Function	Radar Level Transmitter	0x1028
	Order Code	FMR51-AAECADBAA5RVJAA73Z1	
	Serial No.	L800B301134	
	FW version	V1.01.00	
	DD	<a href="http://www.fieldbus.org">www.fieldbus.org</a> IT096300 / 452B48 / 1028 / 0202 → IT101300.zip	
		<a href="http://www.endress.com/downloads">www.endress.com/downloads</a> EH_FF_LE_Micropilot_0x1028_0x02_0x02_FFLIB	
	DTM	EH_Micropilot_FMR5x_FF_FW_1_01_zz_Dev_Rev_2 V1.7.0.645 / 2015.10.26 / DTM Library 2.43	

	Detail	Description	Device Type
<b>Levelflex</b> 	Function	Guided Radar Level Transmitter	0x1022
	Order Code	FMP51-AAECADAAA4GDJAA72Z1	
	Serial No.	L801870112C	
	FW version	V1.01.00	
	DD	<a href="http://www.fieldbus.org">www.fieldbus.org</a> IT096200 / 452B48 / 1022 / 0202 → IT101200.zip	
		<a href="http://www.endress.com/downloads">www.endress.com/downloads</a> EH_FF_LE_Levelflex_0x1022_0x02_0x02_FFLIB	
	DTM	EH_Levelflex_FMP5x_FF_FW_1_01_zz_Dev_Rev_2 V1.7.0.1362 / 2015.10.26 / DTM Library 2.43	
<b>Promag 53</b> 	Function	Electromagnetic Flow Transmitter	0x1042
	Order Code	53P15-EAGB1AA0KBAK	
	Serial No.	KC103919000	
	FW version	V4.00.01	
	DD	<a href="http://www.fieldbus.org">www.fieldbus.org</a> IT084700 / 452B48 / 1042 / 0501 → IT084700.zip	
		<a href="http://www.endress.com/downloads">www.endress.com/downloads</a> EH_FF_FL_Promag_0x1042a_0x05_0x01_FFLIB	
	DTM	EH_Promag_53_55_FF_FW_4_00_zz_Dev_Rev_5 V1.6.52.138 / 2015.10.21 / DTM Library 2.43	
<b>Promass 83</b> 	Function	Coriolis Flow Transmitter	0x1051
	Order Code	83F08-AD2SAAAAKBBK	
	Serial No.	KC08B902000	
	FW version	V4.00.01	
	DD	<a href="http://www.fieldbus.org">www.fieldbus.org</a> IT084500 / 452B48 / 1051 / 0501 → IT084500.zip	
		<a href="http://www.endress.com/downloads">www.endress.com/downloads</a> EH_FF_FL_Promass_0x1051_0x05_0x01_FFLIB	
	DTM	EH_Promass_83_FF_FW_4_00_zz_Dev_Rev_5 V1.6.52.138 / 2015.10.21 / DTM Library 2.43	

	Detail	Description	Device Type
<b>Promass 200</b> 	Function	Coriolis Flow Transmitter	0x1054
	Order Code	8F2B08-AAECCMSAAASAAAEB74Z1	
	Serial No.	KC08BC02000	
	FW version	V1.00.01	
	DD	<a href="http://www.fieldbus.org">www.fieldbus.org</a> IT094300 / 452B48 / 1054 / 0101 → IT094300.zip	
		<a href="http://www.endress.com/downloads">www.endress.com/downloads</a> EH_FF_FL_Promass_200_0x1054_0x01_0x01_FFLIB	
	DTM	EH_Promass_200_8x2B_FF_FW_1_00_zz_Dev_Rev_1 V1.3.0.150 / 2014.10.21 / DTM Library 2.43	
<b>Prowirl 200</b> 	Function	Vortex Flow Transmitter	0x1038
	Order Code	7F2B15-AAECCM1AASKAAEB78Z1	
	Serial No.	KC104819000	
	FW version	V1.00.02	
	DD	<a href="http://www.fieldbus.org">www.fieldbus.org</a> IT094200 / 452B48 / 1038 / 0102 → IT108900.zip	
		<a href="http://www.endress.com/downloads">www.endress.com/downloads</a> EH_FF_FL_Prowirl_200_0x1038_0x01_0x02_FFLIB	
	DTM	EH_Prowirl_200_7x2B_FF_FW_1_00_zz_Dev_Rev_1 V1.6.0.71 / 2015.05.26 / DTM Library 2.43	

	Detail	Description	Device Type
<b>Logix 3400MD</b> 	Function	Digital Valve Positioner	0x0203
	Order Code	3420MD-28-D6-M-04-40-0G-00	
	Serial No.	1U13241	
	FW version	V03.00	
	DD	<a href="http://www.fieldbus.org">www.fieldbus.org</a> IT104400 / 464C53 / 0203 / 0201 → IT104400.zip	
	DTM	Valve Sight FF DTM for Logix 3400MD - V2.6.5.35	

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