



List of Tested Devices and Versions SYT01

Version 1.00.00

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# Softing smartLink and HART over PROFIBUS for

# Siemens ET200M and ET200SP







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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 SYT01. All content of this document is jointly developed, reviewed and approved by Softing 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	2022-06	Initial version

# **1.3 Related Documents**

Please refer to related documents as listed below:

Document	Description
SD02925S/04/EN/01.22	Reference Topology SYT01
SD02926S/04/EN/01.22	Integration Tutorial SYT01
SD02927S/04/EN/01.22	Integration Test Summary SYT01





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# 2 Process Control System

### 2.1 Reference Hardware

SIEMENS	Detail	Description
S7-300	Function	Controller
	Order name, code	6ES7 315-2EH14-0AB0
	Serial No.	C-K2SP2760 2018
a	FW version	V3.2.14

# 2.2 Reference Software

SIEMENS	Detail	Description
SIMATIC Step 7	Function	Configuration and Programming of Siemens SIMATIC Controllers
	Order code	6ES7810-4CC11-0YA7
	SW version	V5.6 + SP2 / K5.6.2.0
	Operating system	Win 7 Pro 64 bits

# 3 Field Network Infrastructure

#### 3.1 Reference Hardware

#### 3.1.1 HART over PROFIBUS Remote IOs

ET200M Reference hardware:

SIEMENS	Article	Description
Interface Module	Function	ET200M IM-153-2
	Order code	6ES7 153-2BA02-0xB0
	Serial number	C-XNUB25932009
	FW version	V 5.0.16
HART Analog Input	Function	HART Analog Input SM331, 8 channels
	Order code	6ES7 331-7TF01-0AB0
	Serial number	C-X2UB6456
	FW version	V 2.0.2



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# ET200SP Reference hardware:

SIEMENS	Article	Description
Interface Module	Function	ET200M IM-153-2
and the second s	Order code	6ES7 134-6TD00-0CA1
	Serial number	C-F0AD2532
	FW version	V 5.0.16
HART Analog Input	Function	HART Analog Input SM331, 8 channels
Contraction of the local division of the loc	Order code	6ES7 134-6TD00-0CA1
	Serial number	C-FBEL9159
	FW version	V 2.0.2

### 3.1.2 Ethernet to PROFIBUS DP Gateway

softing	Article	Description
smartLink	Function	PROFIBUS Master Class2
	Order code	GEA-YN-026000
	Serial number	204100319
ACIUM	FW version	1.11.00.17524
	Other relevant information	

# 3.2 Reference Software

softing	Detail	Description
epGate PB	Function	Search and Configure Discovery Tool
(m)(B)	Order code	-
Search And	SW version	V2.00
Configure	Operating system	Windows 10 Professional (64 bit)





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# 3.3 Netilion – connecting to IIoT

### 3.3.1 Reference Hardware

Endress + Hauser	Article	Description
FieldEdge SGC500	Function	Industrial edge device for connecting field devices to the Netilion Cloud
	Order code	SCGC500-AB
	Serial number	E239474
	FW version	3.00.01-5747
	Other relevant information	

### 3.3.2 Reference Digital Services

Endress + Hauser	Article	Description
Netilion Value	Function	Digital monitoring service
	Service Subscription	Value - Premium 500 Assets with 2GB of storage
Netilion Analytics	Function	Field device management service
	Service Subscription	Analytics - Premium 500 Assets with 2GB of storage
Netilion Health	Function	Field device diagnostics service
	Service Subscription	Health - Premium 500 Assets with 2GB of storage
Netilion Library	Function	File management service
000	Service Subscription	Library - Premium 500 Assets with 2GB of storage





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# 4 Plant Asset Management System

# 4.1 Reference Software

Endress+Hauser 🖾	Article	Description
FieldCare	Function	Configuration, commissioning and condition monitoring of intelligent field devices.
E	Order code	SFE500-NEGZ101
FieldCare	SW version	V2.16.00
	DTM library	V2.49.00
	Operating system	Windows 10 Enterprise Version 1809 (64bits)

# 5 Field Devices

### 5.1 HART devices

Reference hardware:

Endress + Hauser	Detail	Description	Device Type
Cerabar M	Function	Absolute and Gauge Pressure Transmitter	0x0019
	Order Code	PMP51-AA21JA1KGBGCJA1+AAPA78	
	Serial No.	KC01B601129	
	FW version	01.00.03	
	HART revision	6.0	
	DTM	Cerabar M 5x / PMx 5x / V1.00.xx	
		V1.4.188.39 / 2017-03-31 / DTM Library 2.49	
Deltabar S	Function	Differential Pressure Transmitter	0x1117
	Order Code	PMD75-ABA7D11BAAA+PB72Z1	
	Serial No.	KC02950109D	
	FW version	02.30.06	
	HART revision	7.0	
	DTM	Deltabar S / xMD7x / HART / FW2.30.zz / Dev.Rev.23	
		V1.4.189.51 / 2018-02-19 / DTM Library 2.49	



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Endress + Hauser	Detail	Description	Device Type
Deltapilot S	Function	Hydrostatic Level Transmitter	0x111A
	Order Code	FMB70-ABA1F121GCAAPA72Z1	
	Serial No.	KC0095010AE	
W	FW version	02.30.06	
	HART revision	7.0	
	DTM	Deltapilot S / FMB 70 / HART / Fw 2.30.zz / Dev. Rev. 23	
		V1.4.189.51 / 2018-02-19 / DTM Library 2.49	
Liquiline M	Function	Liquid Analyzer Transmitter	0x11A0
128	Order Code	CM42-MAA000EAE011	
4.20	Serial No.	KC008605G00	
	FW version	02.04.01	
	HART revision	7.5	
	DTM	Liquiline pHORP / CM42 /HART / FW 2.04.zz / Dev.Rev.04	
		V2.4.0.22 / 2017-06-07 / DTM Library 2.49	
iTHERM	Function	Temperature Transmitter	0x11CC
<b>T</b> .	Order Code	TR10-ABA1CAS1M2000TZD	
Ţ	Serial No.	KC05CE14152	
ł	FW version	01.01.16	
	HART revision	7.5	
	DTM	iTEMP / TMT82 / HART / FW 1.01.zz / Dev.Rev2	
		V1.10.423.4213 / 2018-03-01 / DTM Library 2.49	
iTHERM TrustSens	Function	Compact thermometer with self-calibration	0x11CF
	Order Code	TM371-1PC4/101	
	Serial No.	N3044004487	
	FW version	01.00.04	
	HART revision	7.6	
	DTM	TrustSens / TM371-TM372 / HART / FW 1.00.zz / Dev.Rev.01	
		V1.11.301.4871 / 2018-10-10 / DTM Library 2.49	



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Endress+Hauser	Detail	Description	Device Type
Levelflex	Function	Guided Radar Level Transmitter	0x1122
ţ0	Order Code	FMP51-AAACCAAAA4GDJAAEH71Z1	
	Serial No.	N202500112C	-
	FW version	01.03.01	-
	HART revision	7.5	
	DTM	Levelflex / FMP5x / HART / FW 1.03.zz / Dev.Rev.4	-
		V1.10.1.2369 / 2017-06-08 / DTM Library 2.49	-
Micropilot	Function	Radar Level Transmitter	0x1128
	Order Code	FMR51-AAACCABAA5RVJAAEH72Z1	-
	Serial No.	N2008D01134	
	FW version	01.02.01	-
	HART revision	7.5	-
	DTM	Micropilot / FMR6x / HART / FW 1.00.zz / Dev.Rev.1	
		V1.10.0.807 / 2017-06-08 / DTM Library 2.49	-
Prosonic M	Function	Ultrasonic Level Transmitter	0x0011
	Order Code	FMU40-ANB2A21	-
<b>V</b>	Serial No.	N201510109A	-
•	FW version	01.04.02	-
	HART revision	5.0	-
	DTM	Prosonic M / FMU 4x / V4.xx	-
		V1.4.188.39 / 2017-03-31 / DTM Library 2.49	-
Promass 300	Function	Coriolis Flow Transmitter	0x113B
	Order Code	8F3B08-AAIBAAAGAASAAASAA1AAEAEBLAZ1	
	Serial No.	LB0ECE02000	-
	FW version	01.00.02	-
	HART revision	7.4	
	DTM	Promass 300 500 / 8x3x8x5x / HART FW 1.00.zz / Dev.Rev. 01	
		V1.8.0.224 / 2016-07-25 / DTM Library 2.49	





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