

List of Tested Devices and Versions ME01

Mitsubishi Electric MELSEC System Q and PROFIBUS for
Water & Wastewater Industry

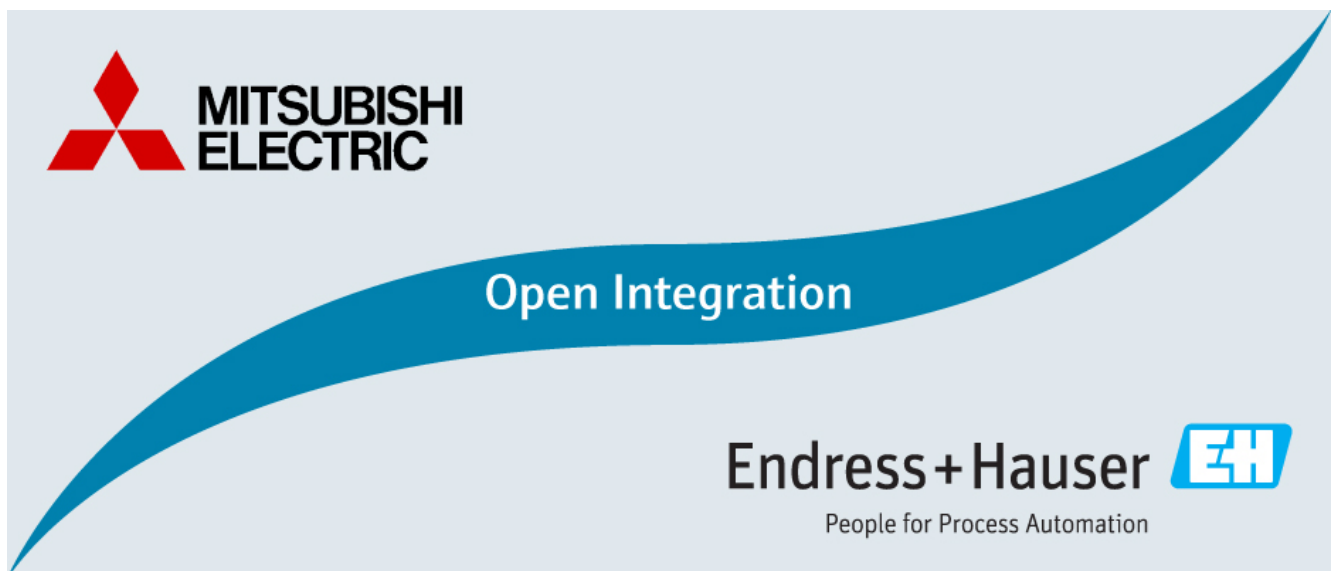


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1 Document Information

1.1 Purpose and Scope

This document lists all relevant components and devices with versions as used for testing of the Reference Topology ME01. All content of this document is jointly developed, reviewed and approved by Mitsubishi Electric 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	2015-03	Initial version



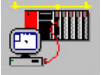
1.3 Related Documents

Please refer to related documents as listed below:




Document	Description
SD01431S/04/EN/02.15	Reference Topology ME01
SD01432S/04/EN/02.15	Integration Tutorial ME01
SD01433S/04/EN/02.15	Integration Test Summary ME01

2 Process Control System

2.1 Reference Software



	Detail	Description
GX Works 2 	Function	Configuration and commissioning of system backbone, all I/O and control strategies for MELSEC System Q controllers.
	Order code	234630
	SW version	V1.501X
	Operating system	Windows 7 Ultimate SP1 (x64)
	Other relevant information	Any newer version > V1.501X can be used as well
GX Configurator-DP 	Function	Configuration and commissioning of cyclic communication for MELSEC System Q PROFIBUS DPV1 master modules and connected PROFIBUS DP / PA devices.
	Order code	202073
	SW version	V7.10L
	Operating system	Windows 7 Ultimate SP1 (x64)
	Other relevant information	Any newer version > V7.10 can be used as well

2.2 Reference Hardware



	Detail	Description
MELSEC System Q CPU Module 	Function	CPU module for MELSEC System Q control unit
	Order code	Q03UDECPU
	FW version	B
	Comm DTM	MX CommDTM-PBDP Version 3.0
	Other relevant information	Any CPU of the same family but with larger memory (Q04UDEHCPU, Q06UDEHCPU, Q10UDEHCPU, Q13UDEHCPU, Q20UDEHCPU, Q26UDEHCPU, Q50UDEHCPU, Q100UDEHCPU) will also work fine
MELSEC System Q DPV1 Module 	Function	PROFIBUS DPV1 interface module for MELSEC System Q control unit
	Order code	QJ71PB92V
	FW version	D
	Other relevant information	Multiple QJ71PB92V modules can be used in one System Q rack. Each PROFIBUS master module can handle a maximum of 125 slaves.

3 Plant Asset Management System

3.1 Reference Software




Endress+Hauser  <small>People for Process Automation</small>		Detail	Description
FieldCare 	Function	Configuration, commissioning and condition monitoring of intelligent field devices.	
	Order code	SFE500-NEGG101	
	SW version	V2.09.01	
	DTM library	V2.39.00	
	Operating system	Windows 7 Ultimate SP1 (x64)	

3.2 Reference Hardware

Endress+Hauser  <small>People for Process Automation</small>		Detail	Description
Fieldgate SFG500 	Function	Ethernet / PROFIBUS DP gateway as system independent access path for FieldCare.	
	Order Code	SFG500 + SFM500-A1	
	FW version	01.04.00	
	Asset library	01.04.00	
	Comm DTM	01.04.00	





4 Field Network Infrastructure

4.1 Reference Hardware

 PEPPERL+FUCHS	Detail	Description
Power Hub Gateway Module 	Function	Gateway module of the SK3 Power Hub
	Order Code	HD2-GTR-4PA
	FW version	V2.6.2
	Comm DTM	HD2-GTR-4PA
	Other relevant information	
Power Hub Diagnostic Module 	Function	Diagnostic module of the SK3 Power Hub
	Order Code	HD2-DM-A
	FW version	1.4.2.763
	Comm DTM	HD2-DM-A
	Other relevant information	

5 Field Devices





5.1 PROFIBUS DP

Endress+Hauser  People for Process Automation		Detail	Description	PROFIBUS ID
Promag 53 	Function	Electromagnetic Flow Transmitter	0x1526 0x1511 0x9741	
	Order Code	53W25-UAGB1AA0ABAJ1		
	Serial No.	J905A219000		
	FW version	03.06.10		
	PA Profile	3.00		
	GSD	EH_DP_FL_Promag_0x1526a_0x07_0x01_DPLIB.zip		
	DTM	Promag / 53 / DP / V3.06.xx		
Prosonic S 	Function	Ultrasonic Level Transmitter	0x1540 0x9760	
	Order Code	FMU90-R11CB113AA1A1		
	Serial No.	J800C1010E6		
	FW version	02.01.04		
	PA Profile	3.00		
	GSD	EH_DP_LE_Prosonic_0x1540_V02_00_00_DPLIB.zip		
	DTM	Prosonic S / FMU90 / DP / V2.01.xx		
Liquiline 	Function	Liquid Analyzer Transmitter	0x155D 0x9760	
	Order Code	CM444-AAM22A0F260BAAAAZ1		
	Serial No.	J8018705G00		
	FW version	01.05.01		
	PA Profile	3.02		
	GSD	EH_DP_AN_LiquilineCM44x_0x155D_0x01_0x01_DPLIB.zip		
	DTM	Liquiline / CM44x / DP / FW 1.05.zz / Dev.Rev. 03		
Promag 400 	Function	Electromagnetic Flow Transmitter	0x1562	
	Order Code	5W4C25-AAALLM0AUD5KGAZ1		
	Serial No.	J905A119000		
	FW version	01.00.02		
	PA Profile	3.02		
	GSD	EH_DP_FL_Promag400_0x1562_0x01_0x01_DPLIB.zip		
	DTM	Promag 400 / 5x4C / DP / FW 1.00.zz / Dev.Rev. 01		

5.2 PROFIBUS PA

 Endress+Hauser 
 People for Process Automation

	Detail	Description	PROFIBUS ID
Promag 50 	Function	Electromagnetic Flow Transmitter	0x1525 0x1505 0x9740
	Order Code	50D25- 3CGA1AA0KBAHZ1	
	Serial No.	J905A019000	
	FW version	03.06.01	
	PA Profile	3.00	
	GSD	EH_PA_FL_Promag_0x0x1525_0x08_0x01_PALIB.zip	
	DTM	Promag / 50 / PA / V3.06.xx	
Prosonic M 	Function	Ultrasonic Level Transmitter	0x152C 0x9700
	Order Code	FMU41- ARD2A5	
	Serial No.	J800D70109A	
	FW version	01.04.00	
	PA Profile	3.00	
	GSD	EH_PA_LE_Prosonic_0x152C_V01_00_PALIB.zip	
	DTM	Prosonic M / FMU4x / PA / V4.xx	
iTEMP 	Function	PROFIBUS Transmitter for temperature devices	0x1551 0x1523 0x9700 0x9701 0x9702 0x9703
	Order Code	TMT84-A1A2C+B1	
	Serial No.	J8003B14457	
	FW version	01.01.04	
	PA Profile	3.02	
	GSD	EH_PA_TE_iTEMP_0x1551_0x02_0x01_PALIB.zip	
	DTM	iTEMP / TMT84 / PA / FW 1.01.zz / Dev.Rev. 02	
Cerabar M 	Function	Absolute and Gauge Pressure Transmitter	0x1553 0x151C 0x9700
	Order Code	PMP51-AA31RI1KGBTCJA3AA77Z1	
	Serial No.	J8050901129	
	FW version	01.00.01	
	PA Profile	3.02	
	GSD	EH_PA_PR_Cerabar M_0x1553_0x01_0x01_PALIB.zip	
	DTM	Cerabar M / PMx5x / PA / FW 1.00.zz / Dev.Rev. 1	

Endress+Hauser  People for Process Automation		Detail	Description	PROFIBUS ID
Deltabar M 	Function	Differential Pressure Transmitter	0x1554 0x9700	
	Order Code	PMD55- AA31BI27BGBHA4A1AAA77Z1		
	Serial No.	J800E601121		
	FW version	01.00.01		
	PA Profile	3.02		
	GSD	EH_PA_PR_Deltabar M_0x1554_0x01_0x01_PALIB.zip		
	DTM	Deltabar M / PMD5x / PA / FW 1.00.zz / Dev.Rev. 1		
Deltapilot M 	Function	Hydrostatic Level Transmitter	0x1555 0x1503 0x9700	
	Order Code	FMB51- AA31RI1FGB85GGJB3AAA77Z1		
	Serial No.	J8000701125		
	FW version	01.00.01		
	PA Profile	3.02		
	GSD	EH_PA_LE_Deltapilot M_0x1555_0x01_0x01_PALIB.zip		
	DTM	Deltapilot M / FMB5x / PA / FW 1.00.zz / Dev.Rev. 1		
Micropilot 	Function	Radar Level Transmitter	0x1559 0x1522 0x9700	
	Order Code	FMR51- AAGCCIBAA5RVJAA77Z1		
	Serial No.	J8002A01134		
	FW version	01.00.00		
	PA Profile	3.02		
	GSD	EH_PA_LE_Micropilot_0x1559_0x01_0x01_PALIB.zip		
	DTM	Micropilot / FMR5 / PA / FW 1.00.zz / Dev.Rev. 1		

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