

List of Tested Devices and Versions SE02

Schneider Electric Modicon M580 and HART for
Water & Wastewater Industry



Table of Contents

1	Document Information	4
1.1	Purpose and Scope	4
1.2	Document History	4
1.3	Related Documents	4
2	Process Control System	5
2.1	Reference Software	5
2.2	Reference Hardware	5
3	Plant Asset Management System	6
3.1	Reference Software	6
4	Field Devices	7
4.1	HART devices	7

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 SE02. All content of this document is jointly developed, reviewed and approved by Schneider 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	2017-10	Initial version




1.3 Related Documents

Please refer to related documents as listed below:



Document	Description
SD01936S/04/EN/01.17	Reference Topology SE02
SD01937S/04/EN/01.17	Integration Tutorial SE02
SD01938S/04/EN/01.17	Integration Test Summary SE02





2 Process Control System

2.1 Reference Software

	Detail	Description
Unity Pro XL 	Function	Configuration and commissioning of system backbone, all I/O and control strategies for Schneider Electric controllers
	SW version	V11.1
	Operating system	Windows 7 Professional (32/64bits)
	Other relevant information	Installation of following Hotfixes is required for Unity Pro 11.1 UnityPro_V111_HF0384046R UnityPro_V111_HF0347199R UnityPro_V111_HF0348186R UnityPro_V111_HF0381320R UnityPro_V111_HF0387750R UnityPro_V111_HF0399552R UnityPro_V111_HFBMEN0C0321 UnityPro_V111_HF_CXM_DTM
Unity Loader 	Function	Download/Upload of projects and firmware for M580 platform
	SW version	V11.1
	Operating system	Windows 7 Professional (32/64bits)
	Other relevant information	Included in Unity Pro



2.2 Reference Hardware

	Detail	Description
Modicon M580 CPU Module 	Function	Modicon M580 module control unit
	Order code	BME P58 2040
	FW version	V2.20
	CommDTM for Unity Pro	M580 Master DTM / V2.6.21.0 / 2016-11-04
	CommDTM for FieldCare	EtherNet/IP Comm Adapter / V1.5.1 / 2016-01-25 Installation of the package "EtherNetIP Communication DTM Library v1.5.1"
	Other relevant information	

	Detail	Description
Modicon X80 EIO drop adapter 	Function	Modicon X80 EIO drop adapter
	Order code	BME CRA 31210
	FW version	V2.16
	Other relevant information	
HART Analog Input 	Function	HART module with 8 analog inputs
	Order code	BMEAHI0812
	FW version	V1.20
	CommDTM for Unity Pro	Mx80 HART Gateway / V1.1.5.0 / 2016-06-20
HART Analog Output 	Function	HART module with 4 analog outputs
	Order code	BMEAHO0412
	FW version	V1.20
	CommDTM for Unity Pro	Mx80 HART Gateway / V1.1.5.0 / 2016-06-20
	CommDTM for FieldCare	Mx80 HART Gateway / V1.0.49.0 / 2014-05-23 Installation of the Library Package "Mx80 HART Gateway DTM V1.0"

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	V2.11.00
	DTM library	V2.44.00
	Operating system	Windows 7 Professional (x64)




4 Field Devices


4.1 HART devices

 Endress+Hauser 
 People for Process Automation

	Detail	Description	Device Type
Promag 10 	Function	Electromagnetic Flow Transmitter	0x0045
	Order Code	10L25-LEGA1AA0A5AA	
	Serial No.	KC100F19000	
	FW version	01.04.01	
	HART revision	5.0	
	DTM	Promag / 10 / V1.03.00 V1.4.186.501 / 2016-05-11/ DTM Library 2.44	
Promag 50 	Function	Electromagnetic Flow Transmitter	0x0041
	Order Code	50P15-EA0A1AA0ABAW	
	Serial No.	KC103819000	
	FW version	02.04.00	
	HART revision	5.0	
	DTM	Promag / 50 / HART / FW 2.04.zz / Dev.Rev.9 V1.4.186.501 / 2016-05-11/ DTM Library 2.44	
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 V1.4.186.501 / 2016-05-11/ DTM Library 2.44	
Prosonic S 	Function	Ultrasonic Level Transmitter	0x001B
	Order Code	FMU90-R11CB112AA1A	
	Serial No.	KC007E010E6	
	FW version	02.01.06	
	HART revision	5.0	
	DTM	Prosonic S / FMU90 / V2.01.xx V1.4.186.501 / 2016-05-12/ DTM Library 2.44	

Endress+Hauser  People for Process Automation		Detail	Description	Device Type
Liquiline 	Function	Liquid Analyzer Transmitter	0x009C 0x119C	
	Order Code	CM442-AAM1A2F060AAAZ1		
	Serial No.	KC008505G00		
	FW version	01.06.03		
	HART revision	7.0		
	DTM	Liquiline M / CM44x / FW 1.02.zz / Dev.Rev. 1 V1.4.186.501 / 2016-05-11 / DTM Library 2.44		
Promag 400 	Function	Electromagnetic Flow Transmitter	0x0067 0x1167	
	Order Code	5L4C25-AALHM0AUD21GAAA73Z1		
	Serial No.	KC100E19000		
	FW version	01.05.05		
	HART revision	7.4		
	DTM	Promag400 / 5x4C / HART FW 1.05.zz / Dev.Rev. 6 V1.3.0.132 / 2014-05-20 / DTM Library 2.44		
iTEMP 	Function	Temperature Transmitter	0x00CC 0x11CC	
	Order Code	TR10-ABA1CAS1M2000+TZD: 71292545: RFID		
	Serial No.	KC05CE14152		
	FW version	01.01.08		
	HART revision	7.5		
	DTM	iTEMP / TMT82 / HART / FW 1.01.zz / Dev.Rev2 V1.06.0.396 / 2015-05-26 / DTM Library 2.44		
Cerabar S 	Function	Absolute and Gauge Pressure Transmitter	0x0018 0x1118	
	Order Code	PMC71-ABA1H1GAAAA+PA72Z1		
	Serial No.	KC03140109C		
	FW version	02.20.04		
	HART revision	7.0		
	DTM	Cerabar S / PMx 7x / HART / FW2.20.zz / Dev.Rev.22 V1.4.186.501 / 2016-05-12 / DTM Library 2.44		

Endress+Hauser  People for Process Automation		Detail	Description	Device Type
Prosonic M 	Function	Ultrasonic Level Transmitter	0x0011	
	Order Code	FMU40-ARB2A2		
	Serial No.	KC003A0109A		
	FW version	01.04.00		
	HART revision	5.0		
	DTM	Prosonic M / FMU 4x / V4.xx V1.4.186.501 / 2016-05-12 / DTM Library 2.44		
Micropilot 	Function	Radar Level Transmitter	0x0028	
	Order Code	FMR51-AAACCABAA5RVJ+AA75Z1		
	Serial No.	KC005F01134		
	FW version	01.01.01		
	HART revision	6.0		
	DTM	Micropilot / FMR5x / FW1.01.zz / Dev.Rev.2 V1.9.0.802 / 2016-11-14 / DTM Library 2.44		

auma® Solutions for a world in motion		Detail	Description	Device Type
AUMATIC 	Function	Actuator control for SA/SAR .2 multi-turn actuators and SQ/SQR .2 part-turn actuators	0xE1FD	
	Order Code	SA07.2/AC01.2-SIL		
	Serial No.	2216MA95020		
	FW version	05.03.01-30020		
	HART revision	7.4		
	iDTM	AUTOMATIC AC 01.2/ACEx 01.2 Rev 1 iDTM HART V2.0.279.2123		

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