

800xA - Device Management PROFIBUS

Device Type PR electronics Pretop 5350 Version 2.1

Release Notes

Introduction

This document represents the release notes for the device type *PR electronics Pretop 5350*.

This document provides a brief overview on functionality. It also enumerates known problems encountered in the final interoperability testing with the related device hardware, and identifies workarounds that help overcome the problem. The document contains additional notes that may be valuable to customers and service personnel working with this device type.

Device Type Details

Table 1. Device Type Details

Vendor	PR electronics
Device Type	Pretop 5350
Category	Temperature
Protocol	PROFIBUS PA
PNO ID	0x5350
GSD File Version / Date	3 / 12.09.2003
Hardware/Software Revision	(1)

(1) For the interoperability test with the physical device the listed hardware and software revision has been used. The user has to verify that the connected device meets above version requirements or is compatible with above versions.

New in this Version

Table 2. Revision History

Library Wizard Name	Changes
PR electronics PRETOP5350 V1.0-PA	First Release. Available with 2PAA100044_A_en_DeviceObjectType_PR_Electronics_PRETOP5350_v1_0_PA.Zip
PR electronics PRETOP5350 V1.0-PA	<ul style="list-style-type: none"> SAP Connectivity included. Support for SV5.0 and Higher included. Available with 2PAA100044_B_en_DeviceObjectType_PR_Electronics_PRETOP5350_v1_0_PA.exe

Table 2. Revision History

Library Wizard Name	Changes
PR electronics PRETOP5350 V2.0-PA	<ul style="list-style-type: none"> Device Specific DTM included. Available with 2PAA100044_C_en_DeviceObjectType_PR_Electronics_PRETOP5350_v2_0_PA.exe
PR electronics PRETOP5350 V2.1-PA	Updated with new DTM. Available with 2PAA100044S01_x_en_DeviceObjectType_PR_Electronics_PRETOP5350_V2_1_PA.exe

The above version will result in device object type PRE_PRETOP5350_YP0_v2_0 if installed in SV4.1 Rollups Released April 2008 or higher, but less than System 800xA 5.0.

If installed in System 800xA 5.0 SP1 or higher it will result in Hardware Library PRE_PRETOP5350_PA Version 2.1-0.

Supported System

Table 3. System 800xA (pre System 800xA 5.0)

System Requirements	800xA SV4.1 Rollups Released April 2008 or higher system versions (but less then System 800xA 5.0)
Hardware Definition File	YP005350_v2_0.hwd
Supported Controller / PROFIBUS Master	Controller AC 800M / CI 854(A)
Supported Linking Devices	LD 800P / SK1 ⁽²⁾

Table 4. System 800xA (System 800xA 5.0 onwards)

System Requirements	800xA System 800xA 5.0 SP1 or higher system versions ⁽¹⁾
Hardware Library	PRE_PRETOP5350_PA Version 2.1-0
Supported Controller / PROFIBUS Master	Controller AC 800M / CI 854(A)
Supported Linking Devices	LD 800P / SK1 ⁽²⁾

(1) Check ABB SolutionsBank for Field Notification, to find out if this device type has any further limitations.

(2) The Segment Coupler SK1 can be used only, if the PROFIBUS master is set to the following settings:

Baudrate: 93.75 kbits/s

Max Tsdr: 1000

Min_Slave_Interval: 250.

IMPORTANT: The Release Notes of each PROFIBUS device type installable with the Device Library Wizard include the parameter Min_Slave_Interval. use the maximum value among all slaves of a bus line in case of SK1 operation. In case of self created PROFIBUS device object types via GSD Import Wizard the value for Min_Slave_Interval is listed in the corresponding GSD file.

Restrictions

PROFIBUS device types are created by ABB and tested for use in the 800xA system in connection with Device Management PROFIBUS & HART. ABB creates these device types based on data provided by individual device vendors (e.g. EDDs, GSDs, device-specific Device Type Managers (DTMs) and Asset Monitor behavior specifications), which ABB relies on as accurately reflecting the actual device specification and behavior. Therefore, ABB cannot assume liability for events that are caused by devices that are not functioning according to fieldbus standards, or device specifications, or for events that are caused by mismatches between the device behavior and the input data provided by the device vendor.

Device types installed via Device Library Wizard cannot be used or instantiated if the associated DTM is not installed.

Installation



This object type can be installed with the Device Library Wizard tool only. For more details, please refer to ABB Device Library Wizard, User Instructions (3BDD011857R0101) in SV4.1 and ABB Device Library Wizard, User Instructions (2PAA102573R5011) in System 800xA 5.0 SP1.

Device Type, Modules and Channels

Since System 800xA version 5.0 onwards the implementation and usage of PROFIBUS device types is different to previous 800xA system versions. Main difference between pre System 800xA 5.0 and System 800xA 5.0 is not to have object types for device types and corresponding modules, but to have a hardware library.

For detailed information, please refer to the specific system documentation for configuration and operation of PROFIBUS device types.

[Table 5](#) lists the device type and corresponding module types.



System 800xA 5.0 onwards all released device and module types are included in the hardware library of the device type.

Table 5. Module/Device Types according to GSD

Object Type	Description
Pre System 800xA 5.0: PRE_PRETOP5350_YP0_v2_0 System 800xA 5.0 Onwards: PRE_PRETOP5350_PA	Device object type(Slave), must be configured first with associated PROFIBUS address.
Pre System 800xA 5.0: PRE_PRETOP5350_Yv2_Empty Module System 800xA 5.0 Onwards: Empty Module	Module does not contain any bytes. This is an empty module, which can be used as a placeholder module.
Pre System 800xA 5.0: PRE_PRETOP5350_Yv2_AI_Short System 800xA 5.0 Onwards: Analog Input (AI) short	Module contains the following 5 bytes data structure with 5 bytes input and 0 bytes output. <u>Inputs:</u> 4 Bytes-->Real - Temperature Value 2 Byte-->Dint - Status
Pre System 800xA 5.0: PRE_PRETOP5350_Yv2_AI_Long System 800xA 5.0 Onwards: Analog Input (AI) long	Module contains the following 5 bytes data structure with 5 bytes input and 0 bytes output. <u>Inputs:</u> 4 Bytes-->Real - Temperature Value 1 Byte-->Dint - Status

Device Object Type Functionality in 800xA



For details on PROFIBUS device configuration, refer to IndustrialIT 800xA - Device Management, PROFIBUS, Configuration Device (3BDD011750R4101) in SV4.1 and Device Management, PROFIBUS & HART, Configuration (3BDD011934R5011) in System 800xA 5.0 SP1.

Documentation

Please select the following aspects in *Product Documentation* aspect to view documentation related to this device type.

1. Certificate of Compliance CSA
2. Certificate of Compliance UL
3. Configuration Manual
4. Profibus Certificate
5. Declaration of confirmity
6. Product data sheet
7. EC Type Examination Certifiates.

Device Diagnostics in Control Builder M

Each unit of an device object type has a variable of type Hardware Status (HwStatus). The HwStatus type is displayed as 32 bit integer value for

ErrorsAndWarnings (EW) and ExtendedStatus (ES). [Table 6](#) shows the supported diagnostics information provided by the device.

Table 6. Device Diagnostics

Status Bit	HW-Status	Value	Diagnostics Information	Warning /Error	Alarm /Event	Severity
Standard Diagnostics (Available at slave level)						
DeviceSpecific1	ErrorsAndWarnings	16#80000000	Hardware electronic failure	Error	Alarm	High
DeviceSpecific2	ErrorsAndWarnings	16#40000000	Hardware mechanics failure	Error	Alarm	High
DeviceSpecific3	ErrorsAndWarnings	16#20000000	Memory error	Error	Alarm	High
DeviceSpecific4	ErrorsAndWarnings	16#10000000	Power supply failed	Error	Alarm	High
DeviceSpecific5	ErrorsAndWarnings	16#08000000	Measurement failure	Error	Alarm	High
DeviceSpecific6	ErrorsAndWarnings	16#04000000	Zero point error	Error	Alarm	High
DeviceSpecific7	ErrorsAndWarnings	16#02000000	Motor temperature too high	Warning	Alarm	Medium
DeviceSpecific8	ErrorsAndWarnings	16#01000000	Electronic temperature too high	Warning	Alarm	Medium
DeviceSpecific9	ErrorsAndWarnings	16#00800000	Device not initialized	Warning	Alarm	Medium

Table 6. Device Diagnostics

Status Bit	HW-Status	Value	Diagnostics Information	Warning /Error	Alarm /Event	Severity
DeviceSpecific10	ErrorsAnd Warnings	16#00400000	Ident_Number violation	Warning	Alarm	Medium
ExtendedStatus1	Extended Status	16#00000001	Slave does not exist	Error	Alarm	Medium
ExtendedStatus2	Extended Status	16#00000002	Configuration data fault	Error	Alarm	High
ExtendedStatus3	Extended Status	16#00000004	Parameter data fault	Error	Alarm	High
ExtendedStatus4	Extended Status	16#00000008	Static diagnostic	Warning	Alarm	Low
ExtendedStatus5	Extended Status	16#00000010	Redundant slave does not exist	Warning	Alarm	Medium
ExtendedStatus6	Extended Status	16#00000020	Diagnostic configuration data fault	Warning	Alarm	Medium
ExtendedStatus7	Extended Status	16#00000040	Report Diagnostics fault	Warning	Alarm	Medium
ExtendedStatus8	Extended Status	16#00000080	Configuration invalid	Error	Alarm	High
ExtendedStatus9	Extended Status	16#00000100	Characteristics invalid	Error	Alarm	Medium
ExtendedStatus10	Extended Status	16#00000200	Ident_Number violation	Error	Alarm	Medium
ExtendedStatus11	Extended Status	16#00000400	Coldstart	Warning	Event	Medium
ExtendedStatus12	Extended Status	16#00000800	Restart	Warning	Event	Medium

Table 6. Device Diagnostics

Status Bit	HW-Status	Value	Diagnostics Information	Warning /Error	Alarm /Event	Severity
ExtendedStatus13	Extended Status	16#00001000	Maintenance required	Warning	Event	Medium
ExtendedStatus14	Extended Status	16#00002000	Extension Available	Warning	Alarm	Medium

Device Type Manager (DTM)

The DTM will be installed during setup of the device type via Device Library Wizard. User interactions may be required during installation or post installation. For more details, refer to section [Installation](#) on page 5 in this document.

Table 7. Device Type Manager

DTM Type	Device Specific DTM (Pretop 5350 DTM)
Version / Date	1.20.1006 / May 6, 2008
FDT Version	1.2
Vendor	PR electronics
DTM License	Not Required

Asset Optimization

This functionality requires installation of 800xA Asset Optimization software and can be used if the corresponding system extensions have been loaded.



For more details, please refer to AO Configuration manual (3BUA000118R4101) and AO Operation manual (3BUA000150R4101).

Asset Optimization functionality for this device is available in aspect Profibus Generic Asset Monitor.

Table 8. Asset Optimization Functionality

Asset Monitor(s)	Profibus Generic Asset Monitor
Asset Reporter / Viewer	Yes (On Master)
CMMS Connectivity	Maximo, SAP ⁽¹⁾

(1) SAP web view that allows direct interaction with the data is not a released functionality. Hence this access is not available.

Table 9. Asset Monitor Conditions

Sl. No.	Conditions ⁽¹⁾	Supported
Hardware Status		
1	OK	X
2	Electronic failure	X
3	Mechanical failure	X
4	Memory error	X
5	Power supply failed	X
6	Failure	X
Measurement Status		

Table 9. Asset Monitor Conditions

SI. No.	Conditions ⁽¹⁾	Supported
7	OK	X
8	Measurement failure	X
9	Zero point error	X
10	Failure	X
Temperature Warning		
11	No	X
12	Motor temperature too high	X
13	Electronic temperature too high	X
14	Failure	X
Device Status		
15	Initialized	X
16	Not initialized	X
17	Initialization failed	X
18	Disconnected	X
19	Cold Startup	X
20	Warm Startup	X
21	Failure	X
Configuration Error		
22	No	X
23	Configuration invalid	X
24	Characteristics invalid	X

Table 9. Asset Monitor Conditions

Sl. No.	Conditions ⁽¹⁾	Supported
25	Parameter data fault	X
26	Ident_Number violation	X
27	Failure	X
General Warning		
28	No	X
29	Device needs maintenance	X
30	Diagnostic Data extension available	X
31	Failure	X

(1) Conditions derived via PROFIBUS standard diagnostics defined in PROFIBUS PA profile 3 specification.

Fixed Problems

[Table 10](#) lists the critical or major issues that have been corrected since the previous version. A brief description of the correction is also been given.

Table 10. Fixed Problems

Issue Fixed	Description
When the DTM is opened online and if the device is disconnected the DTM status is not changing and no error is displayed.	Fixed in this DTM version.
The DTM does not differentiate between Plant Explorer user roles. This is observed only in SV4.1 system.	Fixed in this DTM version.
In a multi user environment, device parameters can be changed unintentionally because the DTM does not support a lock distribution mechanism.	Fixed in this DTM version.

Known Problems

[Table 11](#) lists issues that may exist and affect the operation of the device type at time of release. Workarounds, clarifications, or helpful hints have been provided for each issue wherever possible.

Table 11. Known Problems

Issue	Workaround
No option to cancel the data set change. Old data set is lost.	Upload from the device to get back old data set.
DTM accepts illegal parameter configuration. After download of invalid configuration the incorrect parameter becomes 0.	Check configuration in the DTM manually of incorrect parameter.

Table 11. Known Problems (Continued)

Issue	Workaround
During installation DTM asks for restart.	Restart the machine.
During upload/download DTM parameters can be modified.	Do not modify parameters during upload/download.

Support

Contact ABB technical support for assistance in problem reporting.



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800xA - Device Management PROFIBUS

Device Type PR electronics Pretrans 6350 Version 2.1

Release Notes

Introduction

This document represents the release notes for the device type *PR electronics Pretrans 6350*.

This document provides a brief overview on functionality. It also enumerates known problems encountered in the final interoperability testing with the related device hardware, and identifies workarounds that help overcome the problem. The document contains additional notes that may be valuable to customers and service personnel working with this device type.

Device Type Details

Table 1. Device Type Details

Vendor	PR electronics
Device Type	Pretrans 6350
Category	Temperature
Protocol	PROFIBUS PA
PNO ID	0x6350
GSD File Version / Date	3 / 12.09.2003
Hardware/Software Revision	63509002 / V2.03 PA01 ⁽¹⁾

(1) For the interoperability test with the physical device the listed hardware and software revision has been used. The user has to verify that the connected device meets above version requirements or is compatible with above versions.

New in this Version

Table 2. Revision History

Library Wizard Name	Changes
PR electronics PRETRANS6350 V1.0-PA	First Release. Available with 2PAA100046_A_en_DeviceObjectType_PR_Electronics_PRETRANS6350_v1_0_PA.Zip
PR electronics PRETRANS6350 V1.0-PA	<ul style="list-style-type: none"> SAP Connectivity included. Support for SV5.0 and Higher included. Available with 2PAA100046_B_en_DeviceObjectType_PR_Electronics_PRETRANS6350_v1_0_PA.exe

Table 2. Revision History

Library Wizard Name	Changes
PR electronics PRETRANS6350 V2.0-PA	<ul style="list-style-type: none"> DTM included. Available with 2PAA102029_A_en_DeviceObjectType_PR_Electronics_PRETRANS6350_v2_0_PA.exe
PR electronics PRETRANS6350 V2.1-PA	Updated with new DTM. Available with 2PAA102029S01_x_en_DeviceObjectType_PR_Electronics_PRETRANS6350_v2_1_PA.exe

The above version will result in device object type PRE_PRETOP6350_YP0_v2_0 if installed in SV4.1 Rollups Released April 2008 or higher, but less than System 800xA 5.0.

If installed in System 800xA 5.0 SP1 or higher it will result in Hardware Library PRE_PRETRANS6350_PA Version 2.1-0.

Supported System

Table 3. System 800xA (pre System 800xA 5.0)

System Requirements	800xA SV4.1 Rollups Released April 2008 or higher system versions (but less then System 800xA 5.0)
Hardware Definition File	YP006350_v2_0.hwd
Supported Controller / PROFIBUS Master	Controller AC 800M / CI 854(A)
Supported Linking Devices	LD 800P / SK1 ⁽²⁾

Table 4. System 800xA (System 800xA 5.0 onwards)

System Requirements	800xA System 800xA 5.0 SP1 or higher system versions ⁽¹⁾
Hardware Library	PRE_PRETRANS6350_PA Version 2.1-0
Supported Controller / PROFIBUS Master	Controller AC 800M / CI 854(A)
Supported Linking Devices	LD 800P / SK1 ⁽²⁾

(1) Check ABB SolutionsBank for Field Notification, to find out if this device type has any further limitations.

(2) The Segment Coupler SK1 can be used only, if the PROFIBUS master is set to the following settings:

Baudrate: 93.75 kbits/s

Max Tsdr: 1000

Min_Slave_Interval: 250.

IMPORTANT: The Release Notes of each PROFIBUS device type installable with the Device Library Wizard include the parameter Min_Slave_Interval. use the maximum value among all slaves of a bus line in case of SK1 operation. In case of self created PROFIBUS device object types via GSD Import Wizard the value for Min_Slave_Interval is listed in the corresponding GSD file.

Restrictions

PROFIBUS device types are created by ABB and tested for use in the 800xA system in connection with Device Management PROFIBUS & HART. ABB creates these device types based on data provided by individual device vendors (e.g. EDDs, GSDs, device-specific Device Type Managers (DTMs) and Asset Monitor behavior specifications), which ABB relies on as accurately reflecting the actual device specification and behavior. Therefore, ABB cannot assume liability for events that are caused by devices that are not functioning according to fieldbus standards, or device specifications, or for events that are caused by mismatches between the device behavior and the input data provided by the device vendor.

Device types installed via Device Library Wizard cannot be used or instantiated if the associated DTM is not installed.

Installation



This object type can be installed with the Device Library Wizard tool only. For more details, please refer to ABB Device Library Wizard, User Instructions (3BDD011857R0101) in SV4.1 and ABB Device Library Wizard, User Instructions (2PAA102573R5011) in System 800xA 5.0 SP1.

Device Type, Modules and Channels

Since System 800xA version 5.0 onwards the implementation and usage of PROFIBUS device types is different to previous 800xA system versions. Main difference between pre System 800xA 5.0 and System 800xA 5.0 is not to have object types for device types and corresponding modules, but to have a hardware library.

For detailed information, please refer to the specific system documentation for configuration and operation of PROFIBUS device types.

[Table 5](#) lists the device type and corresponding module types.



System 800xA 5.0 onwards all released device and module types are included in the hardware library of the device type.

Table 5. Module/Device Types according to GSD

Object Type	Description
Pre SV5.0: PRE_PRETRANS6350_YP0_v2_0 SV5.0 Onwards: PRE_PRETRANS6350_PA	Device object type(Slave), must be configured first with associated PROFIBUS address.
Pre System 800xA 5.0: PRE_PRETRANS6350_Yv2_Empty Module System 800xA 5.0 Onwards: Empty Module	Module does not contain any bytes. This is a empty module, which can be used as a placeholder module.
Pre System 800xA 5.0: PRE_PRETRANS6350_Yv2_AI_Short System 800xA 5.0 Onwards: Analog Input (AI) short	Module contains the following 5 bytes data structure with 5 bytes input and 0 bytes output. <u>Inputs:</u> 4 Bytes-->Real - Temperature Value 2 Byte-->Dint - Status
Pre System 800xA 5.0: PRE_PRETRANS6350_Yv2_AI_Long System 800xA 5.0 Onwards: Analog Input (AI) long	Module contains the following 5 bytes data structure with 5 bytes input and 0 bytes output. <u>Inputs:</u> 4 Bytes-->Real - Temperature Value 1 Byte-->Dint - Status

Device Object Type Functionality in 800xA



For details on PROFIBUS device configuration, refer to IndustrialIT 800xA - Device Management, PROFIBUS, Configuration Device (3BDD011750R4101) in SV4.1 and Device Management, PROFIBUS & HART, Configuration (3BDD011934R5011) in System 800xA 5.0 SP1.

Documentation

Please select the following aspects in *Product Documentation* aspect to view documentation related to this device type.

1. Configuration Manual.
2. Profibus Certificate.
3. Type Examination Certificate.
4. Declaration of Conformity.
5. Installation & Operating Instructions.
6. Technical Information.
7. Data sheet.

Device Diagnostics in Control Builder M

Each unit of an device object type has a variable of type Hardware Status (HwStatus). The HwStatus type is displayed as 32 bit integer value for

ErrorsAndWarnings (EW) and ExtendedStatus (ES). [Table 6](#) shows the supported diagnostics information provided by the device.

Table 6. Device Diagnostics

Status Bit	HW-Status	Value	Diagnostics Information	Warning /Error	Alarm /Event	Severity
Standard Diagnostics (Available at slave level)						
DeviceSpecific1	ErrorsAndWarnings	16#80000000	Hardware electronic failure	Error	Alarm	High
DeviceSpecific2	ErrorsAndWarnings	16#40000000	Hardware mechanics failure	Error	Alarm	High
DeviceSpecific3	ErrorsAndWarnings	16#20000000	Memory error	Error	Alarm	High
DeviceSpecific4	ErrorsAndWarnings	16#10000000	Power supply failed	Error	Alarm	High
DeviceSpecific5	ErrorsAndWarnings	16#08000000	Measurement failure	Error	Alarm	High
DeviceSpecific6	ErrorsAndWarnings	16#04000000	Zero point error	Error	Alarm	High
DeviceSpecific7	ErrorsAndWarnings	16#02000000	Motor temperature too high	Warning	Alarm	Medium
DeviceSpecific8	ErrorsAndWarnings	16#01000000	Electronic temperature too high	Warning	Alarm	Medium
DeviceSpecific9	ErrorsAndWarnings	16#00800000	Device not initialized	Warning	Alarm	Medium

Table 6. Device Diagnostics

Status Bit	HW-Status	Value	Diagnostics Information	Warning /Error	Alarm /Event	Severity
DeviceSpecific10	ErrorsAnd Warnings	16#00400000	Device initialization failed	Warning	Alarm	Medium
ExtendedStatus1	Extended Status	16#00000001	Slave does not exist	Error	Alarm	Medium
ExtendedStatus2	Extended Status	16#00000002	Configuration data fault	Error	Alarm	High
ExtendedStatus3	Extended Status	16#00000004	Parameter data fault	Error	Alarm	High
ExtendedStatus4	Extended Status	16#00000008	Static diagnostic	Warning	Alarm	Low
ExtendedStatus5	Extended Status	16#00000010	Redundant slave does not exist	Warning	Alarm	Medium
ExtendedStatus6	Extended Status	16#00000020	Diagnostic configuration data fault	Warning	Alarm	Medium
ExtendedStatus7	Extended Status	16#00000040	Report Diagnostics fault	Warning	Alarm	Medium
ExtendedStatus8	Extended Status	16#00000080	Configuration invalid	Error	Alarm	High
ExtendedStatus9	Extended Status	16#00000100	Characteristics invalid	Error	Alarm	Medium
ExtendedStatus10	Extended Status	16#00000200	Ident_Number violation	Error	Alarm	Medium
ExtendedStatus11	Extended Status	16#00000400	Coldstart	Warning	Event	Medium
ExtendedStatus12	Extended Status	16#00000800	Restart	Warning	Event	Medium

Table 6. Device Diagnostics

Status Bit	HW-Status	Value	Diagnostics Information	Warning /Error	Alarm /Event	Severity
ExtendedStatus13	Extended Status	16#00001000	Maintenance required	Warning	Event	Medium
ExtendedStatus14	Extended Status	16#00002000	Extension Available	Warning	Alarm	Medium

Device Type Manager (DTM)

The DTM will be installed during setup of the device type via Device Library Wizard. User interactions may be required during installation or post installation. For more details, refer to section [Installation](#) on page 5 in this document.

Table 7. Device Type Manager

DTM Type	Device Specific DTM (Pretrans 6350)
Version / Date	1.20.1006 / May 6, 2008
FDT Version	1.2
Vendor	PR electronics
DTM License	Not Required

Asset Optimization

This functionality requires installation of 800xA Asset Optimization software and can be used if the corresponding system extensions have been loaded.



For more details, please refer to AO Configuration manual (3BUA000118R4101) and AO Operation manual (3BUA000150R4101).

Asset Optimization functionality for this device is available in aspect Profibus Generic Asset Monitor.

Table 8. Asset Optimization Functionality

Asset Monitor(s)	Profibus Generic Asset Monitor
Asset Reporter / Viewer	Yes (On Master)
CMMS Connectivity	Maximo, SAP ⁽¹⁾

(1) SAP web view that allows direct interaction with the data is not a released functionality. Hence this access is not available.

Table 9. Asset Monitor Conditions

Sl. No.	Conditions ⁽¹⁾	Supported
Hardware Status		
1	OK	X
2	Electronic failure	X
3	Mechanical failure	X
4	Memory error	X
5	Power supply failed	X
6	Failure	X

Table 9. Asset Monitor Conditions

Sl. No.	Conditions ⁽¹⁾	Supported
Measurement Status		
7	OK	X
8	Measurement failure	X
9	Zero point error	X
10	Failure	X
Temperature Warning		
11	No	X
12	Motor temperature too high	X
13	Electronic temperature too high	X
14	Failure	X
Device Status		
15	Initialized	X
16	Not initialized	X
17	Initialization failed	X
18	Disconnected	X
19	Cold Startup	X
20	Warm Startup	X
21	Failure	X
Configuration Error		
22	No	X
23	Configuration invalid	X

Table 9. Asset Monitor Conditions

SI. No.	Conditions ⁽¹⁾	Supported
24	Characteristics invalid	X
25	Parameter data fault	X
26	Ident_Number violation	X
27	Failure	X
General Warning		
28	No	X
29	Device needs maintenance	X
30	Diagnostic Data extension available	X
31	Failure	X

(1) Conditions derived via PROFIBUS standard diagnostics defined in PROFIBUS PA profile 3 specification.

Fixed Problems

[Table 10](#) lists the critical or major issues that have been corrected since the previous version. A brief description of the correction is also been given.

Table 10. Fixed Problems

Issue Fixed	Description
When the DTM is opened online and if the device is disconnected the DTM status is not changing and no error is displayed.	Fixed in this DTM version.
The DTM does not differentiate between Plant Explorer user roles. This is observed only in SV4.1 system.	Fixed in this DTM version.
In a multi user environment, device parameters can be changed unintentionally because the DTM does not support a lock distribution mechanism.	Fixed in this DTM version.

Known Problems

[Table 11](#) lists issues that may exist and affect the operation of the device type at time of release. Workarounds, clarifications, or helpful hints have been provided for each issue wherever possible.

Table 11. Known Problems

Issue	Workaround
No option to cancel the data set change. Old data set is lost.	Upload from the device to get back old data set.
DTM accepts illegal parameter configuration. After download of invalid configuration the incorrect parameter becomes 0.	Check configuration in the DTM manually of incorrect parameter.

Table 11. Known Problems (Continued)

Issue	Workaround
During installation DTM asks for restart.	Restart the machine.
During Upload download DTM parameters can be modified.	Do not modify parameters during upload/download.

Support

Contact ABB technical support for assistance in problem reporting.



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