

HART Device Object Type

ifak System is HRT USB

Version 1.1

Release Notes

Introduction

This document describes the functionality that becomes available by using this object type together with Industrial IT 800xA System and its related device management software. It describes also problems and workarounds found during interoperability testing with the related device hardware.

Device Type and System Requirements

Table 1. Supported Device Type and System Requirements

Vendor	ifak System
Device Type	is HRT USB
Category	Interface
Company ID / Device ID	N/A
Device Revision	N/A
System Requirements	Asset Master SV 5.0 or higher system version
Supported Controller	N/A
Supported Gateways	N/A

New in this Version

Table 2. Revision History

Library Wizard Name	Changes
ifak System is HRT USB V1.0-HART	First Release.
ifak System is HRT USB V1.1-HART	- Updated DTM to version 1.02.1023 - See Fixed Problems on page 3

Plant Explorer’s object type name “IFAK_isHRTUSB_v1_1”.

Object Type Functionality

For details about functionality and how to use it, please refer to the documentation of related 800xA’s device management software for HART.

Documentation

Table 3. Device Documentation

Documentation	Operating Manual
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Device Type Manager (DTM)

Table 4. Device Type Manager

DTM Type	Device Specific DTM (is HRT FDT Setup)
Version / Date	1.02.1023
Vendor	ifak
DTM License	Required.
Contact for Licensing	fdt@ifak-system.com

Asset Optimization

Table 5. Asset Optimization Functionality

Asset Monitor	N/A
Asset Reporter / Viewer	Yes
DMS Connectivity	-/-
CMMS Connectivity	Maximo, SAP ⁽¹⁾

(1) SAP views access from Plant Explorer is not a released functionality.

Fixed Problems

The table below lists the critical or major issues that have been corrected since the previous version. A brief description of the correction has also been given.

Table 6. Fixed Problems

Issue Fixed	Description
HART Modem appears for selection to be placed under another HART Modem.	HART Modem now does not appear for selection under another HART Modem.
“Contact for Licensing” missing.	Contact for licensing is included.

Table 6. Fixed Problems

Issue Fixed	Description
The following aspects were not available: • Asset Reporter • Asset Viewer • Alarm List • Event List	These aspects have been included.
The 'Control Connection' aspect was available.	The 'Control Connection' aspect has been removed. Note: The fix will become effective for new object types / new instance only. For existing object types / instance these aspects can be safely ignored/removed.
In the OPC Settings tab of the device management aspect, 'OPC Access' check box is checked and Generic HART DTM is assigned.	The 'OPC Access' check box is unchecked and no DTM is assigned.

Known Problems

The table below shows known problems and their workarounds

Table 7. Known Problems

Issue	Workaround
Simultaneous access to device data (via P/H OPC Server and DTM) is not available.	Access data through either P/H OPC Server or DTM, but not simultaneously.
Parallel configuration of HART modems is not possible. The DTM driver configuration window does not display connected modems. This also limits the use of only one HART modem at a time.	N/A

Installation

The installation of the related 800xA's device management software for HART has to be done as a prerequisite before installing this object type. Please refer to its configuration manual and corresponding release notes for details.

On how to install this object type, please refer to the user manual of “*ABB Device Library Wizard, User Instructions*”, 3BDD011857R4001.



The ABB Device Library Wizard starts DTM setup with device object type import. For some DTMs a manual selection of the device type is required during DTM installation.

Please read chapter [Device Type Manager \(DTM\)](#) on page 3, whether license agreements for DTM software must be considered and which DTM device type has to be chosen.

Update DTM

In case instances of former corresponding device object types exist, the following procedure has to be applied:

- Save the device data available in the old DTM before update.
- Update device object type. Along with device type update, the DTM will also be updated.
- After the update, all the existing instances will automatically get the updated DTM.

Support

Contact ABB technical support for assistance in problem reporting.

For other problems that you may encounter while working with field devices please contact your local support line:

Technical Support Regional Center Germany

For continental Europe, Middle East and Africa.

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