

Integration Tools

- Improve information flow between applications by easily sending online instrument and valve data to enterprise applications
- Reduce the potential for data entry errors and save time by automatically logging changes made through the OPC Server or Web Services to the Audit Trail



Leverage third-party trending applications through the OPC Server to view live instrument and valve data and access predictive diagnostics through AMS Device Manager.

Overview

The Integration Tools option for AMS Device Manager consists of two applications: an OPC Server and Web Services.

The OPC Server provides the ability to send live instrument and valve data values and Device Description (DD) parameters to OPC client applications. Access to AMS Device Manager field device data lets you act quickly and intelligently based on accurate field information.

Web Services provides you with the ability to collect and move data from AMS Device Manager and into other applications. Calibration data and Audit Trail entries are all easily accessed and transported via Web Services to other locations, giving you an easy way to fully utilize the data in AMS Device Manager for reporting or other uses.

OPC Server

The AMS Device Manager OPC Server is based on OPC Foundation guidelines. Interoperability between control applications, devices, and business applications is possible because of the OPC standard interface.

The OPC Server is best suited to periodically read or write a single data value to an instrument or valve connected to AMS Device Manager. The instrument or valve data value is sent over a HART connection communicating at 1200 baud, allowing an update to be witnessed on your OPC client application as quickly as every seven seconds.

OPC client applications may include:

- expert systems and historians for plant applications
- spreadsheets and intranet pages for desktop applications
- EAM/CMMS modules

The OPC Server can communicate with both HART® and Foundation™ fieldbus protocols. Foundation fieldbus parameters can be accessed through AMS Device Manager using the High-Speed Ethernet (HSE) Interface for systems where an Emerson host is not present.

