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New Release

Title: Sales release of DTM (Device Type Manager) for HART type AVP/SVX

1. Overview

Recent new and expansion PJ frequently requires field devices to be integrated to Device Management / Plant Asset Management system. In these cases, supplying driver software called DTM (Device Type Manager) is requested.

Now HART type AVP/SVX Positioners are ready to supply the DTM.

This PMB announces the release of the DTM for HART type Positioners (Here in after HART AVP DTM).



2. What is the DTM?




DTM is the driver software that is used for configuration, calibration and status monitoring of field devices.

FDT/DTM technology, the user interface standard of this kind of tool, is spreading among the process automation industry and many instrumentation suppliers are supplying related devices / equipments following this standard.

For more information about FDT/DTM technology, please refer FDT group WEB site (<http://www.fdtgroup.org/ja>).

3. Smart positioner specification

The HART AVP DTM can be used for all HART AVP/SVX series positioners. But there is a limitation of S/W Version and production date. Please refer table below.

Model number	AVP302	AVP102	AVP202	SVX102
Description	HART General type. Ex. Proof casing	HART General Type Int. Safe casing	HART Remote type	HART for Rotary Valve Water proof casing
HART Device revision	2	2	2	2
Yamatake S/W Ver.	3.D or later	4.D or later	3.D or later	4.D or later
Released date	2004/9/1	2004/11/1	2004/9/1	2004/9/1
Apperance				

4. Summary of HART AVP DTM

A. Packaging / Media

The HART AVP DTM is supplied by the distribution of the installer file using E-mail. No electrical media is prepared.

B. Price

The HART AVP DTM is supplied as freeware. But the transfer of the DTM to third party is prohibited.

C. Language

English

D. Functions

The HART AVP DTM supports following functions (Same as CommPad, HART Communicator, and Valstaff).

■ Configuration & Calibration

Execution of Auto setup, parameterization of actuator size, gland packing type, and all other configuration and calibration menus are available.

■ Execution of HART Universal command

Dynamic presentation of 4 variables, manufacturer and device information, and all other HART Universal command function is available.

■ Dummy signal operation

Dummy input signal and drive signal operation is available.

- Self-diagnostics

All self-diagnostics status results can be presented.

- Valve diagnostics (Except graph presentation)

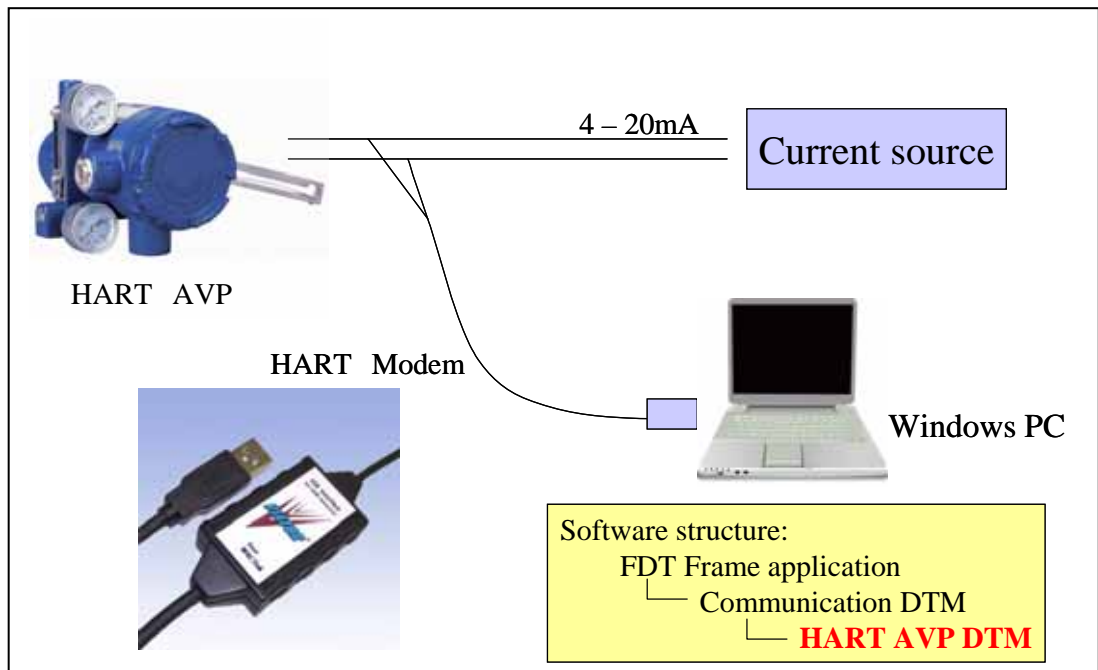
All valve diagnostics parameters status can be presented and setting alarm to each parameter is possible.

E. System architecture and system elements

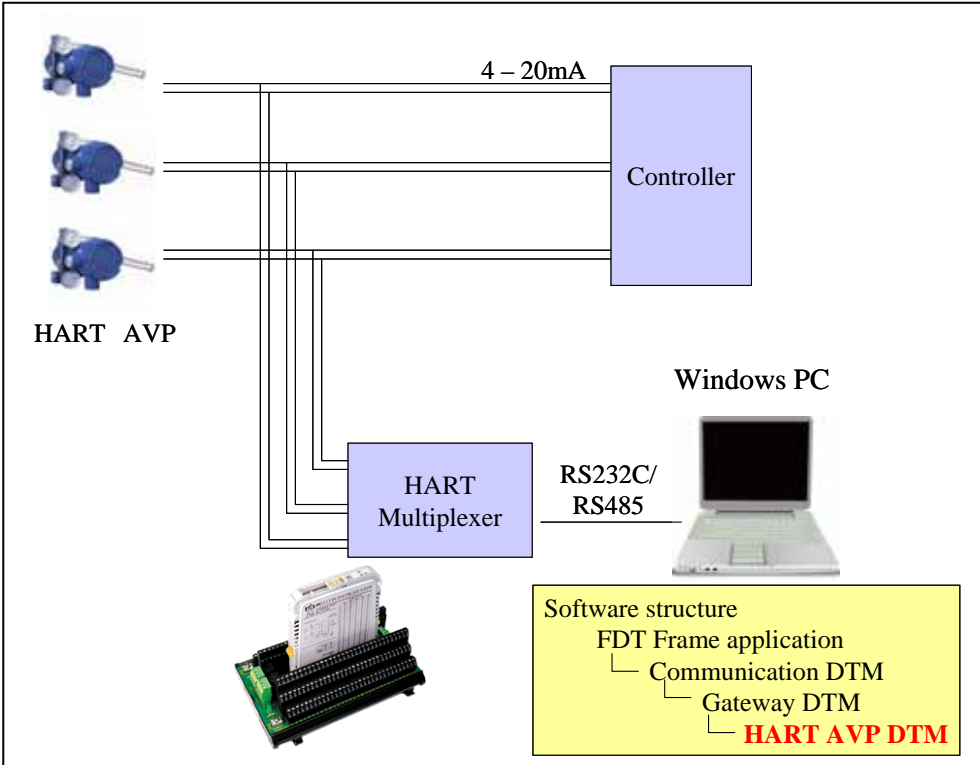
- Typical system structure

DTM is not a stand-alone software but used with the combination of FDT Frame application, Communication DTM, and related hardware. Following is the typical system structure that DTM is used.

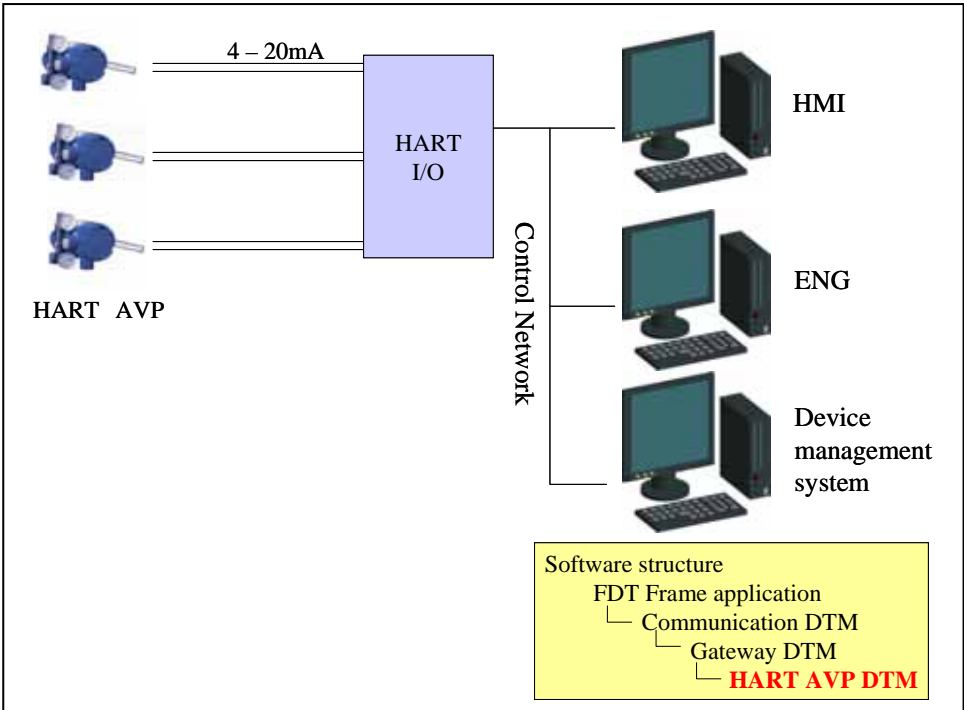
System using HART Modem



System using HART Multiplexer



System using HART I/O



DTM for HART positioner is used in these systems.

■ PC operating system

Please select one of following 2 operating systems below for the PC that the DTM and Frame application are installed.

- Microsoft Windows Vista Service pack 2
- Microsoft Windows XP Service pack 3

■ FDT Frame application

This PMB introduces following 2 FDT frame applications that are generally available in the market as reference. These are available in the market with free of charge. (This information is not intended to specify the FDT frame application.)

FDT Frame application is not a scope of supply of azbil group. Customers should prepare the FDT Frame application by themselves.

- PACTware Consortium / PACTware
- M&M / fdTCONTAINER

■ Communication DTM

This PMB introduces typical Communication DTM that is generally available in the market as reference.

These communication DTM can be downloaded from WEB site of the suppliers.

- CodeWrights / HART Communication DTM
- M&M / HART Communication DTM

F. Combination with related equipments

This PMB introduces typical related equipments that are generally available in the market as reference.

These are not a scope of supply of azbil group. Customers should prepare these equipments by themselves.

■ HART Multiplexer

- P+F/Elcon HIS series MUX2700G
- MTL 4840 series HART connection system

The Gateway DTM that is used for these HART Multiplexers in the FDT/DTM system is required. The Gateway DTM is available on the HART Multiplexer suppliers WEB site.

- HART Modem
 - MACTek / VIATOR HART Interface series

5. Application

Please use attached application form. Fill in the blanks in this form and email the form to suzuki-micih@jp.yamatake.com.

The installed file of the DTM will be returned.

(Appendix-1)

6. Sales materials

A. HART AVP DTM Presentation

Attached Power Point material is available.

(Attachment-2)

B. FDT Group Certification

This is the certification letter issued by FDT Group.

You can supply this letter if requested.

(Appendix-3)

C. Specification sheet

Planned to issue in Jun 2010.

D. User manual

Not planned.

7. Notes

A. System information requirement

Please investigate detailed customers' FDT/DTM system information as possible as you can and give us the information when you make application of the DTM.

FDT/DTM technology is very flexible and user-oriented. But, on the other hand, unexpected trouble may happen due to this flexibility.

Detailed system information is needed for prevention of related troubles and will be useful for trouble shooting when something wrong happens.

B. Related software and hardware information

This PMB introduces related software and hardware as reference but these are not subject of guarantee.

FDT/DTM system construction using general software and hardware should

be done under customer's responsibility.

But we believe that Yamatake is responsible to supply known issues related to FDT/DTM system construction as a related service of this business. So we are planning to supply useful information (i.e. job references, mismatching of communication DTM and HART Multiplexer, etc.) instead of guarantee.

C. Prohibition of DTM installer transfer

Please do not transfer the HART AVP DTM installer file that you get for a specific customer to the third party. Please make another application because;

- Minor version up is always expected and Yamatake is responsible to supply latest version of the DTM any time
- User information control is required as a nature of software business.
- Strategic control is required because this is 1st issue of DTM for Yamatake.

8. Schedule

Accept application from April 2010.

- End of the document -