

SIEMENS



Process Instrumentation

SITRANS Library – Optimize your Process

The SITRANS Library offers pre-engineered function blocks and faceplates for efficient use of SITRANS and SIPART field device functions in SIMATIC based applications.

The SITRANS Library delivers ease of engineering effort, optimizes process control and is the perfect add-on to the Advanced Process Library of SIMATIC PCS 7.

Function blocks and faceplates are available for the following products:

- SITRANS F M MAG 6000 DP
- SITRANS LUT400
- SIPART PS2 with 4...20mA HART Communication
- SIPART PS2 mit PROFIBUS PA Kommunikation
- SITRANS P DS III HART
- SITRANS P300 HART
- SITRANS P500
- SITRANS TH300



siemens.com/sitranslibrary

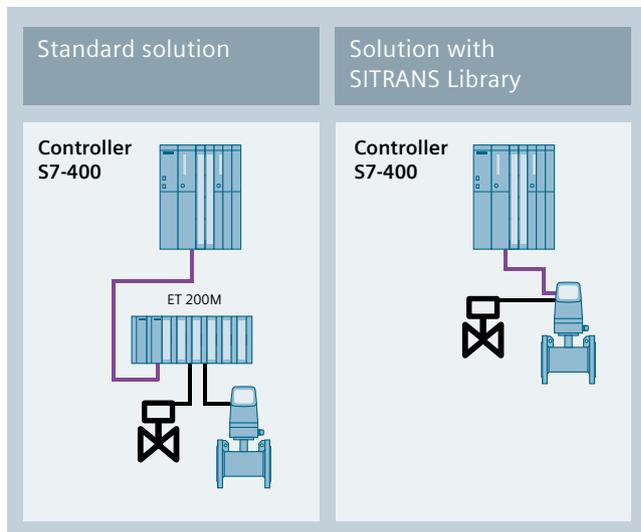
SITRANS Library – A Window to the Field

Modern SITRANS field devices include various features which permit better automation solutions. With standard device integration that features can only be used with high effort. SITRANS Library enables ease-of-use integration of that features in automation solutions based on SIMATIC systems and field devices out from the SITRANS and SIPART families to make them easier, better and more cost effective.

Highlights of the SITRANS Library with the SITRANS F M MAG 6000:

The user has direct access to the dosing function of the SITRANS F M MAG 6000:

- Direct control of valves or pumps by the integrated dosing function
- Space is saved in the panel
- Lower cost for cabling
- All information about the measuring point in one faceplate
- Process operation can be done out from the same faceplate
- This includes – depending of the parameterization – also one or both totalizers of the transmitter



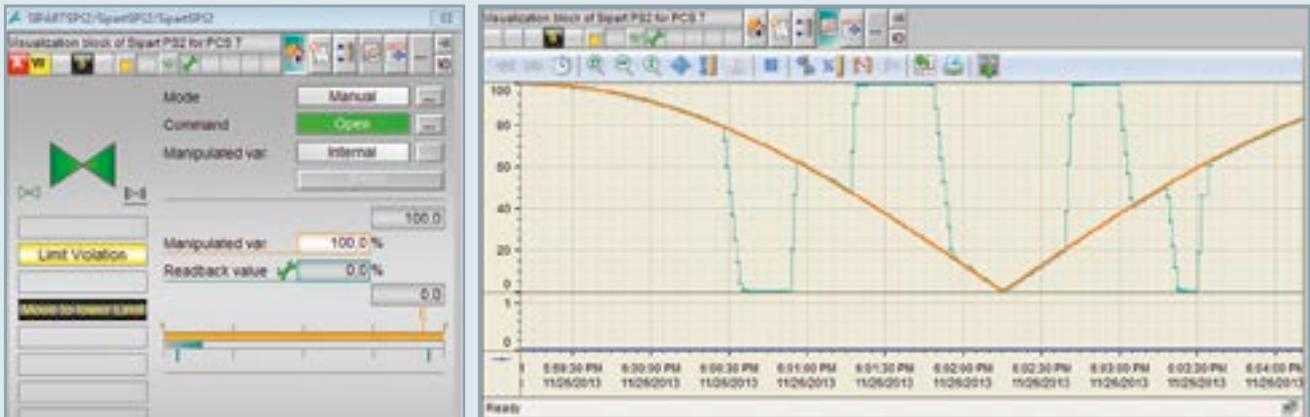
Overall solution for different platforms

The SITRANS Library can be used in SIMATIC PCS 7 systems, in S7-300 and S7-400 controllers with WinCC for monitoring and plant control, and in SIMATIC panel systems with WinCC flexible. The look and feel of the function blocks and faceplates of the SITRANS Library are based on the APL standard of SIMATIC PCS 7 and are consistent for all systems. The SITRANS Library can be used in hierarchical distributed systems, common in the water industry and supports centralized configured access to all levels. For this reason the SITRANS Library complements the standard library (APL) and the industry library of SIMATIC PCS 7.

Further information about the supported system versions can be found here:

www.siemens.com/support/sitranslibrary





Higher transparency about the status of a control valve by showing setpoint and feedback in one faceplate

Highlights of the SITRANS Library for the valve positioner SIPART PS2:

- Open and close of the valve by the operator
- Easy switch between “automatic” and “manual” mode
- Manual setting of the setpoint
- Visualization of all states of the binary inputs and outputs in one faceplate
- Higher transparency regarding the control behavior of the positioner
- Common visualization of setpoint and feedback signal as trend curves on one diagram
- Device specific alarm management

The user gets all information about the SIPART PS2 in one faceplate. Herewith there is a transparent overview of all relevant information (setpoint, feedback, information from the additional modules, i. e. alarm module). The deviations between setpoint and feedback shown in the trend curve are clear for the operator: “Move to lower limit” and “Move to upper limit” are caused by switching one of the binary inputs of the positioner.



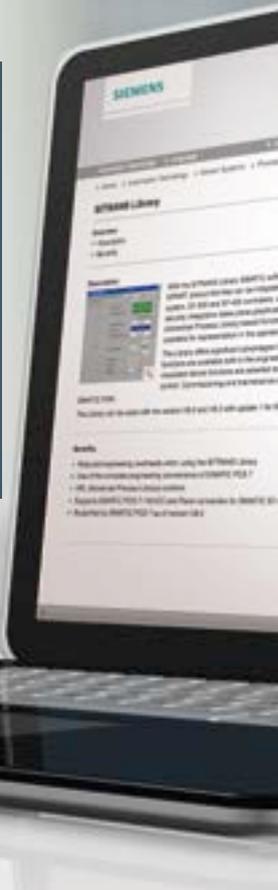
Benefits in Engineering and Process Control:

- Device specific function blocks / block icons / faceplates permit easy use of device features in automation solutions that could previously only be used with high effort
- Developed and tested by Siemens
- Use of all standard mechanisms of SIMATIC PCS 7 to reduce the engineering effort
- APL conformity
- Compatible with SIMATIC PCS 7 and SIMATIC WinCC or panels with S7-300 and S7-400
- Future-proofed for upcoming version of SIMATIC PCS 7
- Common “Look & Feel” and additional information for the operator
- Higher transparency of the plant
- Support of the multi control concept for hierarchical systems, i. e. in water / waste water plants
- Higher product quality

More information:

www.siemens.com/sitranslibrary

**SITRANS Library –
Visit us online to learn
more about a simplified
and optimized process
control from Siemens.**



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