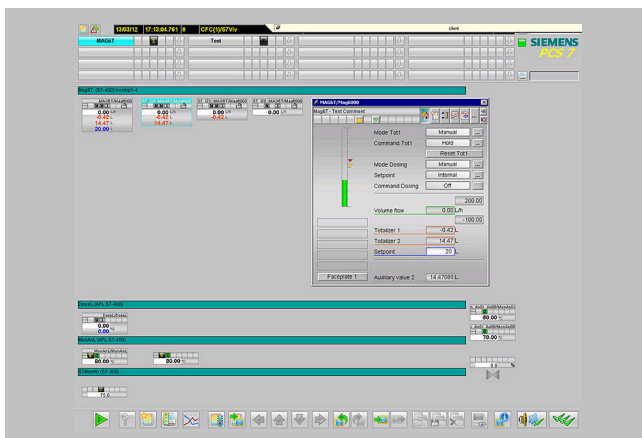


Communication

Field device integration

SITRANS Library

Overview



The SITRANS Library for SIMATIC PCS 7 extends the standard functionality of the SIMATIC PCS 7 process control system concentrated in the SIMATIC PCS 7 Advanced Process Library (APL) with technological blocks and faceplates for device-specific functions of the SITRANS field devices.

Benefits

The SITRANS Library allows you to easily operate all device functions, such as dosing, totalizer, min/max pointer, path diagnostic, alarm diagnostics, zero point adjustment (ZPA), etc. In addition, process related diagnostic information is also provided. The SITRANS Library is based on the modern design of the Advanced Process Library (APL). Together with the APL, the SITRANS Library enables you to create harmonic overall solutions with a consistent look & feel and optimum use of the functions of the SITRANS field devices in many industries. It helps accelerate the engineering process, reduces the time-to-market, and simplifies process control.

Note:

SITRANS Library V13 will support PCS 7 9.1 SP1 or higher.

Application

The SITRANS Library is best used in combination with SIMATIC PCS 7 and SITRANS field devices.

A current list of SITRANS field devices and the supported SIMATIC PCS 7 versions is available at

<http://new.siemens.com/sitranslibrarypcs7devices>

The SITRANS Library can be used for all core sectors of the process industry. These are:

- Chemical industry
- Pharmaceutical industry
- Water and wastewater
- Glass and solar
- Oil & gas
- Food and beverage industry
- Minerals and mining

Design

The product structure is geared toward the operational environment in the SIMATIC PCS 7 process control system. Consequently, SITRANS Library is offered in the form of an engineering component:

- SITRANS Library users can use the library with their supported PCS 7 version. No additional licenses are required for Engineering or OS runtime.

The SITRANS Library product component enables you to perform configuration work on a SIMATIC PCS 7 engineering station.

The SITRANS Library product component allows you to run blocks from a library on an automation system.

When using function blocks from SITRANS Library in SIMATIC PCS 7 automation systems, please note that SIMATIC PCS 7 AS Runtime POs are also booked.

Function

SITRANS Library for SIMATIC PCS 7

Sublibrary for the functional expansion of the SIMATIC PCS 7 Advanced Process Library with:

- Function blocks and faceplates for SITRANS field devices with S7-400 and S7-410 systems.

The function blocks are configured in CFC.

Operator control and monitoring from a panel is configured with the panel interface blocks for the SITRANS F M MAG 6000 DP. Taking operating rights and hierarchical operating concepts (multi-control room operation) into consideration, the technological function can then be operated from both an operator station and a Touch Panel.

For detailed information on which field devices, which systems and system versions are supported as well as on the free download, see: <http://new.siemens.com/sitranslibrarypcs7devices>

Selection and ordering data

| Selection and ordering data | Article No. |
|--|---------------|
| SITRANS Library Block library for SIMATIC PCS 7 as of V13.0 with function blocks and faceplates as well as electronic documentation. The following operating systems are supported by SIMATIC PCS 7 V9.1 SP1: <ul style="list-style-type: none"> • Windows 10 Enterprise LTSC 2019 • Windows Server 2019 Standard Edition • Windows Server 2019 Datacenter Edition Engineering license for one customer plant Type of delivery: free download | 7MP2990-0AA00 |