

SIEMENS



Why Siemens Process Instrumentation?

Siemens Process Instrumentation offers you innovative, single-source measurement solutions to increase plant efficiency and enhance product quality. Our intelligent instruments are also designed for seamless interplay with the larger world of industrial automation and control systems – enabling greater process transparency and smarter decisions for your business.

Integration of this instrumentation into the SIMATIC PCS 7 control system completes the Siemens end-to-end solution. By using Siemens instruments you benefit from:

- Increased functionality of your smart instrumentation
- Uniform look and feel across the range
- Single vendor accountability
- Compatibility with Process Device Manager (PDM) via EDD's
- Profibus approved instrumentation
- Compatibility assured between the Compact Field Unit (CFU) and Siemens profile 3 instruments.
- Text based diagnostics integrated within the SIMATIC PCS 7 maintenance station display
- Reduced application engineering time with the SITRANS Library for PCS 7

PDM Maintenance Station

SIMATIC PDM software is a tool for the configuration, commissioning and monitoring of smart field devices and forms the basis for the SIMATIC PDM Maintenance Station. PDM Maintenance Station is a highly flexible tool for easily monitoring the condition of smart field devices. It is designed to be used for asset management, acquiring diagnostics, transferring set up and status data of smart field devices.

The smart device integration is based on the DD/EDD/FDI technology for field devices. The diagnostics screens are generated automatically by the system and fully integrated within the SIMATIC PCS 7 operating environment. Device data is cyclically read from the smart field identifying changes of in the set up data, or operating mode, and in addition will identify a malfunction and clearly alert the operator to take action.

Text based diagnostics, combined with health reports are used to help schedule maintenance activities and arrive at solutions faster. Remote asset health status can also be viewed on a cloud platform by connecting this diagnostics information to the Siemens SAM IQ cloud application or OPC UA server.

SITRANS Library

The SITRANS Library provides a unique integration solution to the SITRANS and SIPART families of instrumentation within the SIMATIC PCS 7 and SIMATIC STEP 7 environments. This creates added value from the perspective of engineering delivery and operational transparency.

The library include visualization elements and PLC charts for compatible products allowing faster code creation and the ability to read acyclic data with no additional engineering.

Siemens Industry, Inc.
100 Technology Drive
Alpharetta, GA 30005
+1 (800) 365-8766
usa.siemens.com/pi
Order No.: PIFL-00154-1121