

SIEMENS

NOW WITH ENHANCED FEATURES AND ORDERABLE WITH JUST A FEW CLICKS

SITRANS FST070

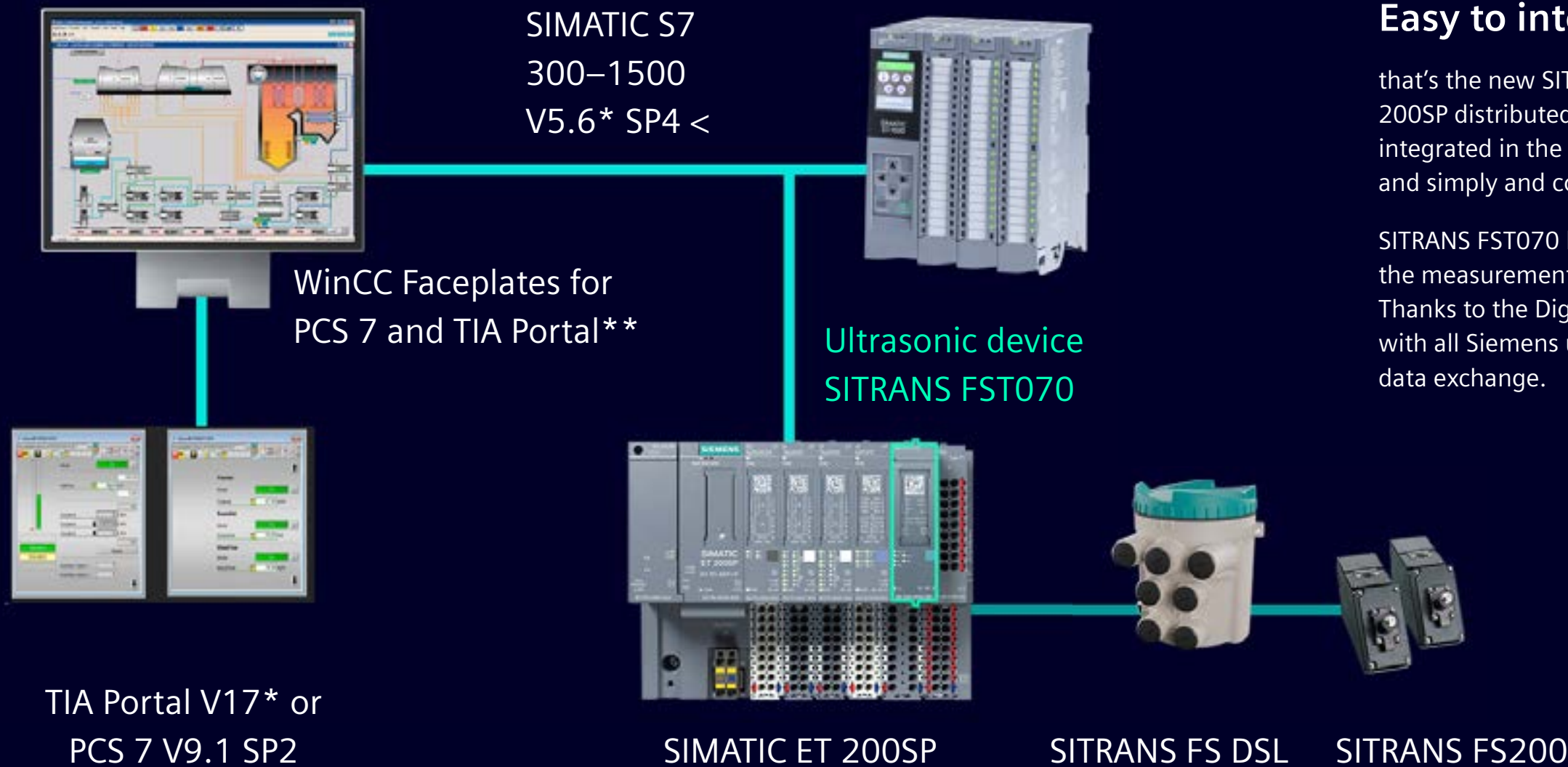
The Most Advanced and
Simple Integration of Sensor
Data in SIMATIC

siemens.com/fst070



SITRANS FST070

Direct access to the SIMATIC world



Easy to integrate and top performance –

that's the new SITRANS FST070 flow transmitter for SIMATIC ET 200SP distributed I/O. The multiparameter transmitter can be easily integrated in the TIA Portal SIMATIC PCS 7 process control system and simply and conveniently operated via faceplates.

SITRANS FST070 lets you process data in real time and visualize all the measurement and status data from the ultrasonic flowmeters. Thanks to the Digital Sensor Link, SITRANS FST070 is compatible with all Siemens ultrasonic flowmeters and ready for real-time data exchange.

* or higher

** WinCC V7.4 (PCS 7)
Win CC RT Professional V15 (TIA Portal)

Features and benefits

Technical data at a glance

Technology module	For SIMATIC ET200SP PROFINET	
ET 200SP Base Unit	BU 20 Typ B1	
Supported controllers	SIMATIC PCS 7 V9.1 or higher TIA Portal V17 or higher SIMATIC STEP 7 V5.6 SP4 or higher	
Outputs	2 individually programmable outputs	
Inputs	2 individually programmable inputs	
Communication	PROFINET via SIMATIC ET200SP	
Degree of protection	IP 20	
Ambient temperature	-25°C ... 50°C vertical (60°C)	
Approvals (standard version)	CE	Tick
	cULus	KCC
	EAC	ROHS
Approvals (standard version)	ATEX II 3 G Ex ec IIC T... Gc IECEX Ex ec IIC T4 FM Class I, DIV 2, Group A.B.C.D Also for ATEX Zone 1 with SITRANS I300 barrier	
Power	24 V, Class 2, max. 0.5 A	

Easy to integrate

in SIMATIC PCS 7 and TIA Portal

Available faceplates and drivers enable fast and cost-effective integration in SIMATIC PCS 7 and TIA Portal



ATEX approval

ATEX zone 2

Also approved for Ex zone 1 with SITRANS 1300 barrier

Simple and safe installation in hazardous areas



Flexibly combinable

with SIMATIC ET 200SP modules

Flexible combination options with a variety of distributed I/O



Digital Sensor Link interface

Universally combinable with all Siemens Clamp-on Flowmeters via the Digital Sensor Link (SITRANS FS DSL)



Digital data communication

between SIMATIC S7 and flowmeter

Faster and more secure exchange of measurement data in real time possible via Digital Sensor Link

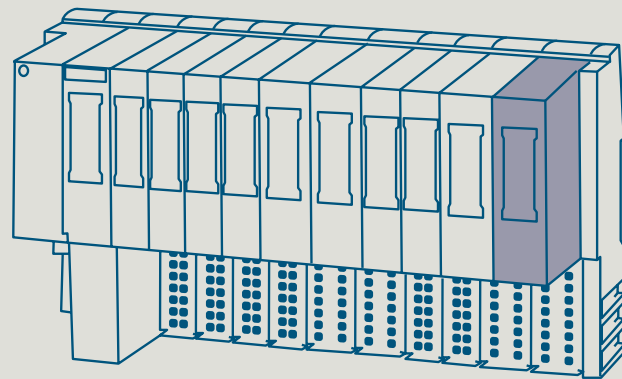


Complete racks with just a few clicks ...

TIA Selection Tool

The catalog and ordering system for automation and drive technology

If you want to order a complete rack in which SITRANS FST070 is integrated in the controller with just a few clicks, you're in the right place!



→ Configure and order in the TIA Selection Tool

... and order the suitable flow- meter:

PIA Life Cycle Portal

The tool for selection, planning, ordering, commissioning, and maintenance in process instrumentation and analytics

Order here the suitable flowmeter or further process instrumentation products to complete your measuring equipment. You will find suitable sensors under the SITRANS FS230 Ultrasonic Clamp-on.



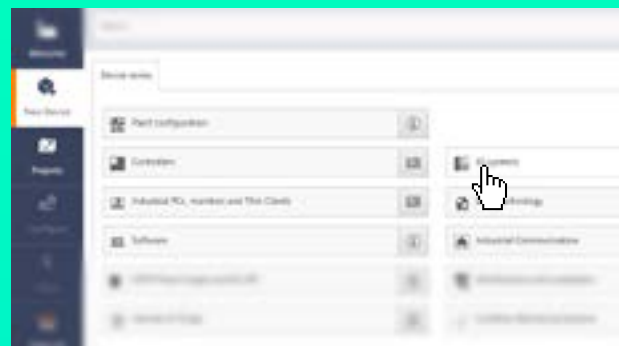
→ Configure and order in the PIA Portal

CONFIGURE AND ORDER USING THE TIA SELECTION TOOL

SITRANS FST070 in just a few simple steps:

Use the TIA Selection Tool to order the SITRANS FST070 technology module for SIMATIC ET 200SP.

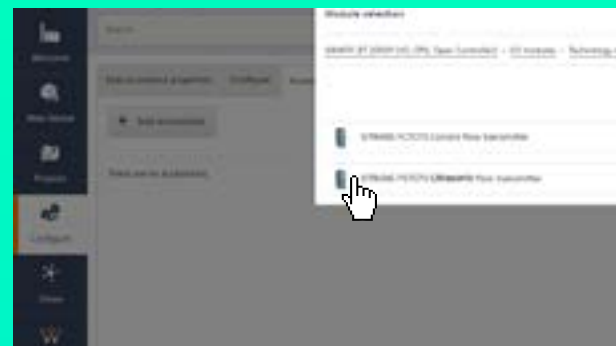
Order the corresponding sensors in the
→ **PIA Life Cycle Portal**



1

Select

On the left-hand side, click **New Device** and select **IO Systems**.



2

Configuring

Select **SITRANS FST070** directly.



3

Order

You're automatically connected to the Industry Mall and your products are saved so that you can complete your order without additional effort.

Order now!

CONFIGURE AND ORDER IN THE PIA LIFE CYCLE PORTAL

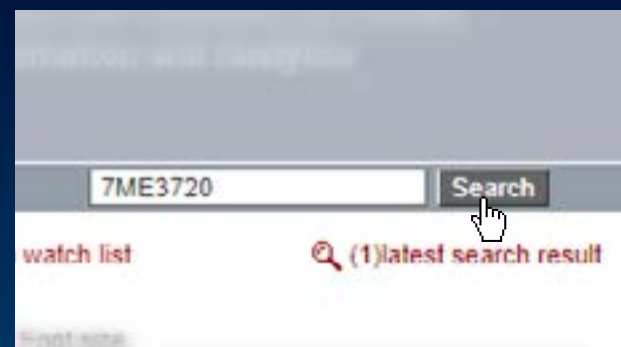
The Clamp-on Flowmeter in just a few simple steps:

Transmitter + Flowmeter ultrasonic:
7ME3448-6AA00-0BB1 7ME3720-...

System

Order the prepared sensor for connection to the SITRANS FST070 module in the PIA Portal.

Complete your system by adding SITRANS FST070 to your order.



1

Select:

Enter the following MLFB numbers for the SITRANS FC sensors:

7ME3720
7ME3720-.....-1Q.. Cable Bushing
7ME3720-.....-1N.. M12 Plug

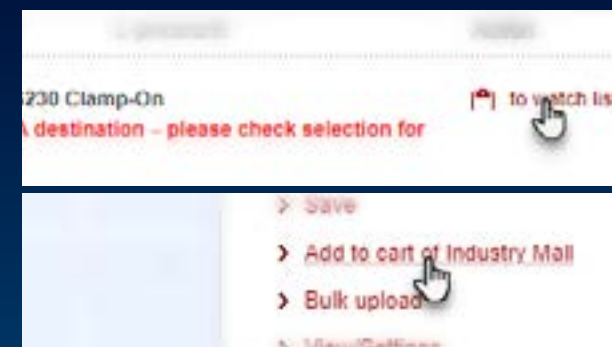
MLFB for Clamp-on Sensor 7ME3720-



2

Configure:

Then click the product number and select the order quantity and additional components.



3

Collect and order:

Collect your products in the watch list and transfer them to the Industry Mall for ordering.

You'll also find all the other process instrumentation and analytics products in the Portal.

Order now!

Clamp-on Flow Measuring with SITRANS FST070

Digital Sensor Link FS-DSL11



- The DSL contains the electronic modul for the registration of data from ultrasonic measuring.
- Analog signal processing of the FSS200 Clamp-on Sensors
- Processing and digitalization of all measurement data for the FST0700
- Contained in a housing of its own with short analog connections to the sensors, thus guaranteeing faultless measuring
- IP67 for employment in Ex zone 1
- Designed for up to 4 reference paths
- Variants: industry, oil, and gas

FSS200 High Precision Sensors – HP



- Clamp-on sensors for steel tubing
- Up to DN 5000 and wall thickness up to 35 mm, and up to 120°C
- Highest precision of measurement through individual harmonic signal transmission (WideBeam)
- Suitable for measuring of fluids and gases
- IP67 for the employment in Ex zone 1
- For multiple products and various conditions (widest range of applications)

FSS200 Universal and HT Sensors

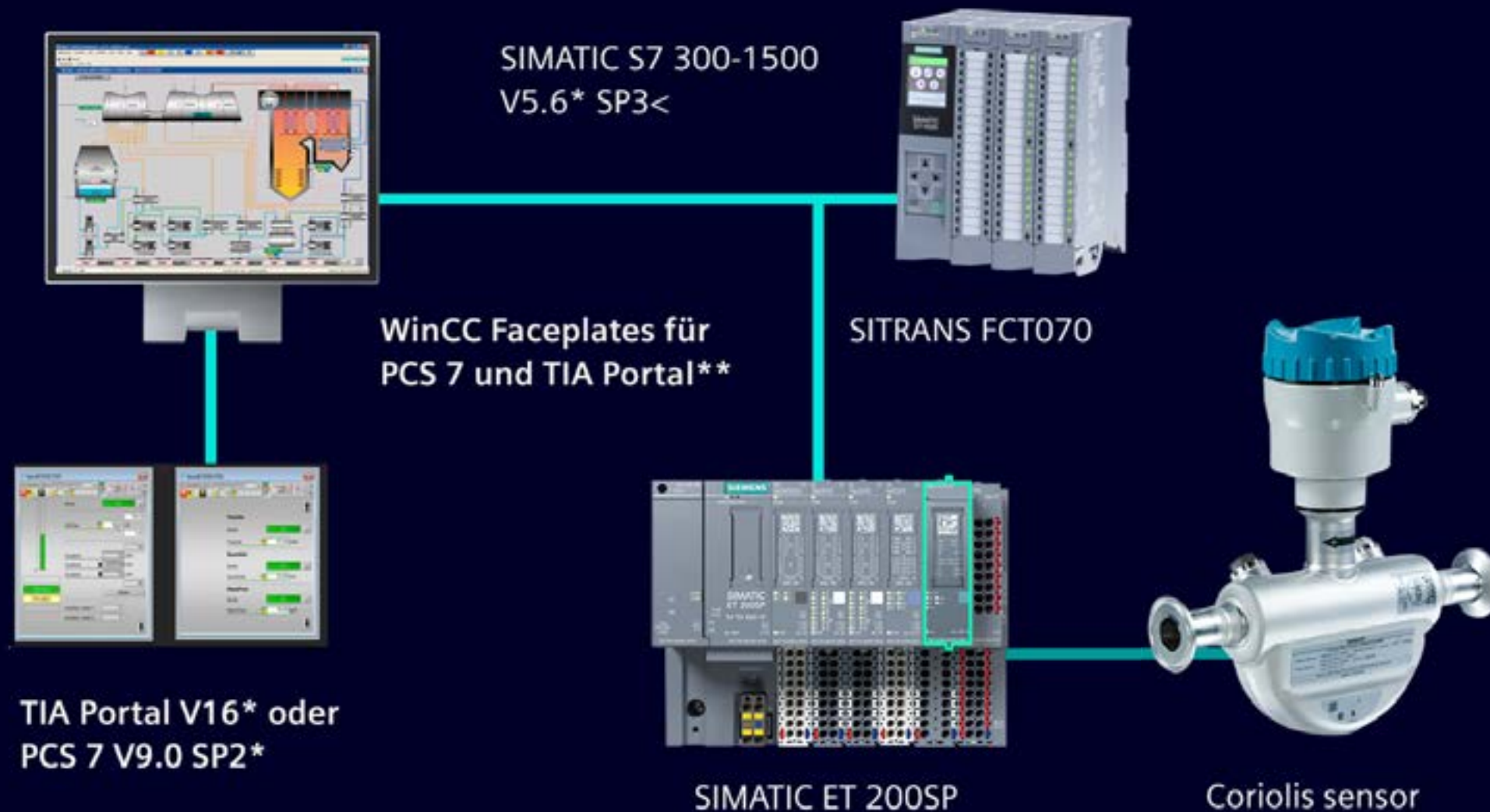


- Clamp-on liquid sensors for all possible tubing materials
- Up to DN 5000 and wall thickness up to 65 mm
- Universally applicable for standard measurements
- For a max. temperature of 120°C
- As high-temperature sensor (HT) up to 230°C



Have you seen
this yet?

SITRANS FCT070 – Next-generation flow measurement



Easy to integrate and top performance –

that's the new SITRANS FCT070 Coriolis transmitter for SIMATIC ET 200SP distributed I/O. The multiparameter transmitter **can be easily integrated in the TIA Portal SIMATIC PCS 7 process control system** and simply and conveniently operated via faceplates.

SITRANS FCT070 lets you **process data in real time** and visualize all the measurement and status data from the Coriolis flowmeter. Thanks to the Digital Sensor Link, SITRANS FCT070 is compatible with all Siemens Coriolis flowmeters and ready for **real-time data exchange**.

* or higher

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Win CC RT Professional V15 (TIA Portal)

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