

SIEMENS

Process Instrumentation

Color your life

High quality instrumentation devices for dyeing machines

Dyeing machines for natural and artificial goods must rely on an accurate process measurement in order to ensure the required shading of the fabric.

Siemens Process Instrumentation offers all the products needed to handle the necessary process steps – from the effective dosing of the right amount of dyeing liquor to the exact monitoring of the dyeing bath temperature and valve control.

In addition, Siemens offers a broad automation toolbox for the textile industry, being able to tailor a specific solution for overcoming today's industry demands on high flexibility, optimum product quality and minimum lifecycle costs.



[siemens.com/processinstrumentation/oem](https://www.siemens.com/processinstrumentation/oem)

SITRANS P DS III – Digital pressure transmitter	
Measuring range	Gauge pressure: 0 to 1 bar ... 0 to 700 bar Absolute pressure (GP design): 0 to 250 mbar a ... 0 to 30 bar a Absolute pressure (DP design): 0 to 250 mbar a ... 0 to 100 bar a Differential pressure: 0 to 20 mbar ... 0 to 30 bar
Wetted parts material	Stainless steel (1.4404 / 316L), Hastelloy C276, Tantalum, Monel 400, Gold (coating) and various O-ring materials
Process temperature	Without remote seal: -40 ... 100 °C (-40 ... 212 °F) With remote seal: -90 ... 400 °C (-130 ... 752 °F)

Benefits:

- Local display and local programming with push buttons, accessible without opening the enclosure
- Good long-term stability and minimum conformity error
- Extensive diagnostics and simulation functions

SITRANS F M MAG 1100 with MAG 5000 – Electromagnetic flow sensor with transmitter	
Diameter	DN2 to DN100 (1/12" to 4")
Wetted parts material	Lining: Ceramic, PFA Electrodes: Platinum, Hastelloy
Medium temperature	-30 to 200 °C (-22 to 390 °F)

Benefits:

- Corrosion resistant stainless steel 316L (1.4404) sensor housing
- Highly resistant liner and electrodes that are suitable for most extreme process media
- Compact or remote mounting possible, easy „plug and play“, field changeable

SITRANS TS500 with SITRANS TH100 – Temperature sensor and transmitter	
Wetted parts material	Stainless steel 316L (1.4404) or 316Ti (1.4571)
Sensor accuracy	Class AA, A, B, 1, 2
Process temperature	-196 to 1100 °C (-321 to 2012 °F)

Benefits:

- Industry standard process connections
- Measuring insert interchangeable
- Including TH temperature transmitter for analog or digital communication

The Siemens plant-wide automation based on future-proof automation, drives technology, industrial software and services enables you to exploit all possible potential for optimization of a machine or plant. Beside instrumentation we offer further suitable products to complete your application.

SIMATIC HMI	SIMATIC I/O Systems	Low Voltage Converters
 Optimized operator control and monitoring systems using open and standardized interfaces	 Distributed I/Os - in cabinets / at the machine or hazardous areas with seamless integration	 The broad SINAMICS portfolio answers your AC converter and low voltage requirements

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