








Overview

	Application	Description		Software for parameterization
SITRANS P Single-range transmitters for general applications				
	Two or three-wire transmitters for measuring gauge and absolute pressure	SITRANS P200 <ul style="list-style-type: none"> Single-range transmitters for gauge and absolute pressure Ceramic measuring cell For general applications 	1/6	–
		SITRANS P210 <ul style="list-style-type: none"> Single-range transmitters for gauge pressure Stainless steel measuring cell For low-pressure applications 	1/12	–
		SITRANS P220 <ul style="list-style-type: none"> Single-range transmitters for gauge pressure Stainless steel measuring cell, fully welded For high-pressure applications and refrigeration technology 	1/17	–
	Two-wire transmitter for measuring hydrostatic levels	SITRANS LH100 <ul style="list-style-type: none"> For measuring liquid levels in wells, tanks, channels, dams etc. With ceramic diaphragm, Ø 23.4 mm 	1/23	–
	Two-wire transmitter for measuring hydrostatic levels	SITRANS LH300 <ul style="list-style-type: none"> For measuring liquid levels in wells, tanks, channels, dams etc. With ceramic diaphragm, Ø 30 mm Suitable for small measuring ranges 	1/28	–
 	Transmitters for gauge and absolute pressure for food, pharmaceuticals and biotechnology	SITRANS P Compact <ul style="list-style-type: none"> Single-range transmitters in two-wire system Hygiene-based design with various aseptic connections according to EHEDG, FDA and GMP recommendations. 	1/34	–
SITRANS P · Transmitters for food, pharmaceuticals and biotechnology				
 	Two-wire transmitters for measuring gauge and absolute pressure	SITRANS P300 <ul style="list-style-type: none"> Hygiene-based design according to EHEDG, 3A, FDA and GMP Parameterization using 3 buttons and communication over HART, PROFIBUS PA or FOUNDATION Fieldbus Standard process connection G½", ½-NPT and front-flush process connections available Measuring range adjustment 100 : 1 	1/43	SIMATIC PDM
	Factory-mounting of valve manifolds on SITRANS P300 transmitters	<ul style="list-style-type: none"> Simplified assembly With pressure test Stainless steel valve manifolds 	1/66	–
SITRANS P · Transmitters for gauge pressure for the paper industry				
	Two-wire transmitters for measuring gauge pressure	SITRANS P300 and SITRANS P DS III with PMC connection for the paper industry <ul style="list-style-type: none"> Measuring range adjustment 100 : 1 Process connections for the paper industry Parameterization using 3 buttons and HART, PROFIBUS PA or FOUNDATION Fieldbus 	1/68	SIMATIC PDM

Pressure Measurement

Product overview

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	Application	Description		Software for parameterization
SITRANS P Transmitters for applications with advanced requirements (Advanced)				
	Two-wire transmitters for measuring: <ul style="list-style-type: none"> • Gauge pressure, • Absolute pressure, • Differential pressure and • Flow or • Level 	SITRANS P320/P420 <ul style="list-style-type: none"> • Measuring accuracy: <ul style="list-style-type: none"> - SITRANS P320: 0.065 % - SITRANS P420 0.04 % • Fast step response time of up to 105 ms • Developed according to IEC 61508, SIL2/3 applications • SIL validation remotely • Diagnostics according to Namur NE107 • 4-key operation 	1/86	SIMATIC PDM
	Two-wire transmitters for measuring: <ul style="list-style-type: none"> • Gauge pressure, • Absolute pressure, • Differential pressure and • Flow or • Level 	SITRANS P DS III <ul style="list-style-type: none"> • Measuring accuracy up to 0.065 % • Measuring range adjustment: 100 : 1 • Parameterization using: <ul style="list-style-type: none"> - 3 buttons and HART for SITRANS P DS III HART - 3 buttons and PROFIBUS PA for SITRANS P DS III PA series - 3 buttons and FOUNDATION Fieldbus for SITRANS P DS III FF series • Available ex stock 	1/166	SIMATIC PDM
		Factory mounting of valve manifolds on gauge, absolute or differential pressure transmitters SITRANS P DS III <ul style="list-style-type: none"> • Simplified assembly • With pressure test • Stainless steel valve manifolds 	1/253	–
	Two-wire transmitters for measuring: <ul style="list-style-type: none"> • Gauge pressure, • Differential pressure and • Flow 	SITRANS P410 <ul style="list-style-type: none"> • Measuring accuracy up to 0.04 % • Measuring range adjustment 100 : 1 • Parameterization using: <ul style="list-style-type: none"> - 3 buttons and HART for SITRANS P410 HART - 3 buttons and PROFIBUS PA for SITRANS P410 PA - 3 buttons and FOUNDATION Fieldbus for SITRANS P410 FF 	1/257	SIMATIC PDM
		Factory mounting of valve manifolds on gauge, absolute or differential pressure transmitters SITRANS P410 <ul style="list-style-type: none"> • Factory valve block mounting for SITRANS P410 is possible. Depending on the available P410 variants, please see the configuration options for SITRANS P DS III (page 1/253). 		–
SITRANS P - Transmitters for applications with highest requirements (Premium)				
	Two-wire transmitters for measuring: <ul style="list-style-type: none"> • Differential pressure • Volume flow • Mass flow • Level • Volume • Mass 	SITRANS P500 <ul style="list-style-type: none"> • Measuring accuracy up to 0.03 % • Measuring range adjustment: 200 :1 • High measuring accuracy • Very fast response time • Extremely good long-term stability • Parameterization using 3 buttons or HART 	1/297	SIMATIC PDM
		Factory-mounting of manifolds on differential pressure transmitters SITRANS P500 <ul style="list-style-type: none"> • Simplified assembly • With pressure test • Stainless steel valve manifolds 	1/321	–



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