

SITRANS P measuring instruments for pressure

Transmitters for gage, absolute and differential pressure, flow and level

DS III series for gage pressure

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Selection and Ordering data		Order code			Selection and Ordering data		Order code				
Further designs Add "-Z" to Order No. and specify Order code.			HART	PA	FF	Additional data Add "-Z" to Order No. and specify Order code.			HART	PA	FF
Pressure transmitter with mounting bracket made of:						Measuring range to be set Specify in plain text (max. 5 digits): Y01: ... up to ... mbar, bar, kPa, MPa, psi		Y01	✓		
• Steel	A01	✓	✓	✓		Measuring point number (TAG No.) Max. 16 characters, specify in plain text: Y15:		Y15	✓	✓	✓
• Stainless steel	A02	✓	✓	✓		Measuring point text Max. 27 characters, specify in plain text: Y16:		Y16	✓	✓	✓
Plug						Entry of HART address (TAG) Max. 8 characters, specify in plain text: Y17:		Y17	✓		
• Han 7D (metal, gray)	A30	✓				Setting of pressure indication in pressure units Specify in plain text (standard setting: mA): Y21: mbar, bar, kPa, MPa, psi, ... Note: The following pressure units can be selected: bar, mbar, mm H ₂ O ¹⁾ , inH ₂ O ¹⁾ , ftH ₂ O ¹⁾ , mmHG, inHG, psi, Pa, kPa, MPa, g/cm ² , kg/cm ² , Torr, ATM oder %) ref. temperature 20 °C		Y21	✓	✓	✓
• Han 8U (instead of Han 7D)	A31	✓				Setting of pressure indication in non-pressure units Specify in plain text: Y22: up to l/min, m ³ /h, m, USgpm, ... (specification of measuring range in pressure units "Y01" is essential, unit with max. 5 characters)		Y22 + Y01	✓		
Cable sockets for M12 connectors (metal)		A50	✓	✓	✓	Preset bus address (possible between 1 and 126) Specify in plain text: Y25:		Y25		✓	
Rating plate inscription (instead of German)						Only "Y01", "Y21", "Y22", "Y25" and "D05" can be factory preset					
• English	B11	✓	✓	✓		✓ = available					
• French	B12	✓	✓	✓		Ordering example					
• Spanish	B13	✓	✓	✓		Item line: 7MF4033-1EA00-1AA7-Z					
• Italian	B14	✓	✓	✓		B line: A01 + Y01 + Y21					
English rating plate		B21	✓	✓	✓	C line: Y01: 10 ... 20 bar (145 ... 290 psi)					
Pressure units in inH ₂ O or psi						C line: Y21: bar (psi)					
Quality inspection certificate (Factory calibration) to IEC 60770-2¹⁾		C11	✓	✓	✓						
Acceptance test certificate²⁾ To EN 10204-3.1		C12	✓	✓	✓						
Factory certificate To EN 10204-2.2		C14	✓	✓	✓						
"Functional Safety (SIL)" certificate		C20	✓								
"PROFIsafe" certificate and protocol		C21		✓							
Setting of upper limit of output signal to 22.0 mA		D05	✓								
Manufacturer's declaration acc. to NACE		D07	✓	✓	✓						
Type of protection IP68 (not together with 7D/ Han 8U plug, cable gland Pg 13.5)		D12	✓	✓	✓						
Digital indicator alongside the input keys (only together with the devices 7MF4033-...-0-.A.6 or -.A.7-Z, Y21 or Y22 + Y01)		D27	✓	✓	✓						
Supplied with oval flange (1 item), PTFE packing and screws in thread of oval flange		D37	✓	✓	✓						
Use in or on zone 1D/2D (only together with type of protection "Intrinsic safety (EEx ia)")		E01	✓	✓	✓						
Use on zone 0 (only together with type of protection "Intrinsic safety (EEx ia)")		E02	✓	✓	✓						
Oxygen application (max. 120 bar g (1740 psi g) at 60°C (140 °F) for oxygen measurement and inert liquid)		E10	✓	✓	✓						
Explosion-proof "Intrinsic safety" to INMETRO (Brazil) (only for transmitter 7MF4...-.....-B..)		E25	✓	✓	✓						
Explosion-proof "Intrinsic safety" to NEPSI (China) (only for transmitter 7MF4...-.....-B..)		E55	✓	✓	✓						
Explosion protection "Explosion-proof" to NEPSI (China) (only for transmitter 7MF4...-.....-D..)		E56	✓	✓	✓						
Explosion-proof "Zone 2" to NEPSI (China) (only for transmitter 7MF4...-.....-E..)		E57	✓	✓	✓						

1) When the manufacturer's certificate M (calibration certificate) has to be ordered for transmitters with diaphragm seals, it is recommended only to order this certificate exclusively with the diaphragm seals. The measuring accuracy of the total combination is certified here.

2) When the acceptance test certificate 3.1 for transmitters with direct-connected diaphragm seals is ordered, this certificate must also be ordered with the corresponding seals.