

Selection and Ordering data

Order No.

Order code

Pressure transmitters for level, SITRANS P500 HART

7 M F 5 6 - 0 -

Process connection on high-pressure side: Filling liquid

- Silicone oil M5
- Silicone oil M50
- High-temperature oil
- Halocarbon (for oxygen measurement)
- FDA compliant oil
- Glycerin/water
- Other version, add
- Order Code and plain text:
- Filling liquid: ...

	0	
	1	
	2	
	3	
	4	
	5	
	9	R 1 Y

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Further designs Add "-Z" to Order No. and specify Order Code.			Further designs Add "-Z" to Order No. and specify Order Code.		
Display (Standard: no display, cover closed)			Degree of protection approvals: Ex d (flameproof)		
With display and blanking cover	A10		Ex d explosion-proof (ATEX)(T4/T6)		E20
With display and glass cover	A11		Ex XP explosion-proof and DIP (FM)(T4/T6)		E21
Special version: cover/casing			Ex XP explosion-proof and DIP (cCSA _{US})(T4/T6)		E22
Two coats of lacquer on casing, cover (PU on epoxy)	A20		Ex d explosion-proof (NEPSI)(T4/T6)		E26
Electrical connection and cable entry (Standard: no cable gland, only dust protection caps)			Degree of protection approvals: n/Nl		
Cable gland made of plastic (IP66/68) ⁴⁾	A50		Zone 2 (nA, nL, ic) (ATEX) (T4/T6)		E40
Cable glands made of metal (IP66/68)	A51		Div2 NI, Div2 NI-field wiring (FM) (T4/T6)		E41
Cable glands made of stainless steel (IP66/68)	A52		Zone 2 (nA, nL), Div2 NI (cCSA _{US}) (T4/T6)		E42
M12 connectors without cable socket (IP66/67) ⁴⁾	A60		Zone 2 (nA, nL) (NEPSI) (T4/T6)		E46
M12 connectors, cable socket (IP66/67) ⁴⁾	A61		Degree of protection approvals: Zone 20/21/22		
Han 7D connectors, plastic, straight (with cable socket) (IP65) ⁴⁾	A71		Use in Zone 21/22 (Ex tD) (ATEX)		E60
Han 7D connectors, plastic, angled (with cable socket) (IP65) ⁴⁾	A72		Use in Zone 20/21/22 (Ex iaD) (ATEX)		E61
Han 7D connectors, metal enclosure, straight (with cable socket) (IP65) ⁴⁾	A73		Use in Zone (Ex DIP) (ATEX)		E66
Han 7D connectors, metal enclosure, angled (with cable socket) (IP65) ⁴⁾	A74		Degree of protection approvals: Combinations		
Han 8D connectors, plastic, straight (with cable socket) (IP65) ⁴⁾⁷⁾	A75		IS protection and XP and DIP (FM)		E71
Han 8D connectors, plastic, angled (with cable socket) (IP65) ⁴⁾⁷⁾	A76		IS protection and XP and DIP (cCSA _{US})		E72
Han 8D connectors, metal enclosure, straight (with cable socket) (IP65) ⁴⁾⁷⁾	A77		IS protection and XP and DIP (FM/cCSA _{US})		E73
Han 8D connectors, metal enclosure, angled (with cable socket) (IP65) ⁴⁾⁷⁾	A78		Supplementary approvals / degree of protection		
PG 13.5 adapters ⁴⁾	A82		Dual Seal approval ⁵⁾		E85
Language for labels, leporellos and menu language default⁸⁾ (instead of English as standard)			Special process connection versions (diff. pressure)		
German	B10		Swap process connection: high-pressure side at front		L33
French	B12		Process flanges, O-rings, special material		
Spanish	B13		Standard: Viton (FKM (FPM))		
Italian	B14		Process connection sealing rings made of PTFE (Teflon), virginal		L60
Chinese	B15		Process connection sealing rings made of PTFE (Teflon), glass fiber-reinforced		L61
Russian	B16		Process connection sealing rings made of FFPM (Kalrez)		L62
Japanese	B17		Process connection sealing rings made of NBR		L63
English with units: psi/inH ₂ O	B21		Process connection sealing rings made of graphite		L64
Special version: Supplementary menu languages (Standard: English, German, French, Spanish, Italian)			Drain/Vent valve (1 set = 2 units)		
Asia language package (in addition: Chinese, Japanese, Russian)	B80		2 ventilation valves ¼- 18 NPT, in material of process flange)		L80
Certificates (available online for downloading)¹⁾			Vacuum-proof design		
Quality inspection certificate (Five-step factory calibration) according to IEC 60770-2 ²⁾	C11		Vacuum service		V04
Acceptance test certificate according to EN 10204-3.1 ³⁾	C12		Spark arrester		V05
Degree of protection approvals: Ex ia/ib (intrinsic safety)			For mounting on zone 0 (including documentation)		
Ex ia/ib protection (ATEX) (T4)	E00		1) Enclosed in print or as CD: see page 1/192.		
Ex IS protection (FM) (T4)	E01		2) When also ordering the quality inspection certificate (factory calibration) according to IEC 60770-2 for transmitters with mounted diaphragm seals: Order this certificate only together with the remote seals. The measuring accuracy of the total combination is certified here.		
Ex IS protection (cCSA _{US}) (T4)	E02		3) When also ordering the acceptance test certificate according to EN 10204-3.1 for transmitters with mounted diaphragm seals: Order this certificate as well in addition to the respective remote seals.		
Ex ia/ib protection (NEPSI) (T4)	E06		4) Not together with types of protection "Explosion-proof", "Ex nA" and "Intrinsic safety and explosion-proof"		
			5) Only in conjunction with FM and/or cCSA _{US}		
			6) Not recommended for Measuring span "D"		
			7) The Han 8D plug is identical with the former Han 8U version.		
			8) For option B15, B16 and B17 the menu language default is english. Otherwise the Option B80 (Asia language package) is necessary.		

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Additional data Please add *-Z* to Order No. and specify Order code(s) and plain text.	
Measuring range to be set Specify in plain text: Linear characteristic curve (max. 5 characters): Y01: ... up to ... mbar, kPa, MPa, psi	Y01
Measuring point number and measuring point identifier (only standard ASCII character set) Specify in plain text: Measuring point number (TAG No.), max. 16 characters Y15:	Y15
Measuring point text (max. 27 char.) Y16:	Y16
Entry of HART address (TAG), max. 32 characters Y17:	Y17
Setting of pressure indication in pressure units Specify in plain text (standard setting: mbar) Y21: bar, kPa, MPa, psi, ... Note: The following pressure units are selectable: bar, mbar, mm H ₂ O [*]), in H ₂ O [*]), ftH ₂ O [*]), mmHG, inHG, psi, Pa, kPa, MPa, g/cm ² , kg/cm ² , Torr, ATM, % or mA *) Reference temperature 20 °C	Y21
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
Customer-specific settings Damping setting (range: 0 ... 100 s) (Standard setting: 2 s)	Y30