

Selection and Ordering data		Order No.	
SITRANS P pressure transmitters for gage pressure, front-flush membrane, series DS III HART		F)	7MF4133-
Measuring cell filling	Measuring cell cleaning		
Silicone oil	Standard	1	
Inert liquid	Grease-free	3	
FDA compliant fill fluid			
• Neobee oil	Standard	4	
Span			
0.01 ... 1 bar g ¹⁾	(0.15 ... 14.5 psi g) ¹⁾	B	
0.04 ... 4 bar g	(0.58 ... 58 psi g)	C	
0.16 ... 16 bar g	(2.32 ... 232 psi g)	D	
0.63 ... 63 bar g	(9.14 ... 914 psi g)	E	
Wetted parts materials			
Seal diaphragm	Connection shank		
Stainless steel	Stainless steel	A	
Process connection			
• Flange version with Order code M.., N.., R.. or Q..		7	
Non-wetted parts materials			
• Housing made of die-cast aluminium		0	
• Housing stainless steel precision casting		3	
Version			
• Standard version		1	
• International version, English label inscriptions, documentation in 5 languages on CD		2	
Explosion protection			
• Without		A	
• With ATEX, Type of protection:			
- "Intrinsic safety (EEx ia)"		B	
- "Explosion-proof (EEx d)" ²⁾		D	
- "Intrinsic safety, explosion-proof enclosure and dust explosion protection (EEx ia + EEx d + Zone 1D/2D)" ³⁾		R	
• With FM + CSA, Type of protection:			
- "Intrinsic safety and explosion-proof (is + xp)" ²⁾ (available soon)		NC	
Electrical connection / cable entry			
• Inner thread M20x1.5		B	
• Female thread ½-14 NPT		C	
• M12 connectors (metal) ⁴⁾		F	
Display			
• without (digital indicator hidden, setting: mA)		1	
• with visible digital indication, setting: mA		6	
• with customer-specific digital indication (setting as specified, Order code "Y21" or "Y22" required)		7	

Power supply units see "SITRANS I power supply units and isolation amplifiers".

Included in delivery of the device:

- Brief instructions (Leporello)
- CD-ROM with detailed documentation

¹⁾ Only with "Standard" process connection

²⁾ Without cable gland, with blanking plug.

³⁾ With enclosed cable gland EEx ia and blanking plug.

⁴⁾ Cannot be used together with the following types of protection: "Explosion-proof" and "Intrinsic safety and explosion-proof"

F) Subject to export regulations AL: 91999, ECCN: N.

Selection and Ordering data		Order No.	
SITRANS P pressure transmitters for gage pressure, front-flush membrane			
DS III PA series (PROFIBUS PA)	F)	7MF4134-	
DS III FF series (FOUNDATION Fieldbus)	F)	7MF4135-	
Measuring cell filling	Measuring cell cleaning		
Silicone oil	Standard	1	
Inert liquid	Grease-free	3	
FDA compliant fill fluid			
• Neobee oil	Standard	4	
Nominal measuring range			
1 bar g ¹⁾	(14.5 psi g) ¹⁾	B	
4 bar g	(58 psi g)	C	
16 bar g	(232 psi g)	D	
63 bar g	(914 psi g)	E	
Wetted parts materials			
Seal diaphragm	Connection shank		
Stainless steel	Stainless steel	A	
Process connection			
• Flange version with Order code M.., N.., R.. or Q..		7	
Non-wetted parts materials			
• Housing made of die-cast aluminium		0	
• Housing stainless steel precision casting		3	
Version			
• Standard version		1	
• International version, English label inscriptions, documentation in 5 languages on CD		2	
Explosion protection			
• Without		A	
• With ATEX, Type of protection:			
- "Intrinsic safety (EEx ia)"		B	
- "Explosion-proof (EEx d)" ²⁾		D	
- "Intrinsic safety, explosion-proof enclosure and dust explosion protection (EEx ia + EEx d + Zone 1D/2D)" ³⁾		R	
• With FM + CSA, Type of protection:			
- "Intrinsic safety and explosion-proof (is + xp)" ²⁾ (available soon)		NC	
Electrical connection / cable entry			
• Screwed gland M20x1.5		B	
• Screwed gland ½-14 NPT		C	
• M12 connectors (metal) ⁴⁾		F	
Display			
• Without (digital display hidden)		1	
• With visible digital display		6	
• With customer-specific digital display (setting as specified, Order code "Y21" or required)		7	

Included in delivery of the device:

- Brief instructions (Leporello)
- CD-ROM with detailed documentation

¹⁾ Only with "Standard" process connection

²⁾ Without cable gland, with blanking plug.

³⁾ With enclosed cable gland EEx ia and blanking plug.

⁴⁾ Cannot be used together with the following types of protection: "Explosion-proof" and "Intrinsic safety and explosion-proof"

F) Subject to export regulations AL: 91999, ECCN: N.

Selection and Ordering data		Order code			
Further designs			HART	PA	FF
Add "-Z" to Order No. and specify Order code.					
Cable sockets for M12 connectors (metal)	A50	✓	✓	✓	
Rating plate inscription (instead of German)					
• English	B11	✓	✓	✓	
• French	B12	✓	✓	✓	
• Spanish	B13	✓	✓	✓	
• Italian	B14	✓	✓	✓	
English rating plate Pressure units in inH ₂ O or psi	B21	✓	✓	✓	
Manufacturer's test certificate M (calibration certificate) To DIN 55350, Part 18 and to ISO 8402	C11	✓	✓	✓	
Acceptance test certificate To EN 10204-3.1	C12	✓	✓	✓	
Factory certificate To EN 10204-2.2	C14	✓	✓	✓	
"PROFIsafe" certificate and protocol	C21		✓		
Flanges to EN 1092-1					
• DN 25, PN 40	M11	✓	✓	✓	
• DN 25, PN 100	M21	✓	✓	✓	
• DN 40, PN 40	M13	✓	✓	✓	
• DN 40, PN 100	M23	✓	✓	✓	
• DN 50, PN 16	M04	✓	✓	✓	
• DN 50, PN 40	M14	✓	✓	✓	
• DN 80, PN 16	M06	✓	✓	✓	
• DN 80, PN 40	M16	✓	✓	✓	
Flanges to ASME B16.5					
• Stainless steel flange 1" class 150	M40	✓	✓	✓	
• Stainless steel flange 1½" class 150	M41	✓	✓	✓	
• Stainless steel flange 2" class 150	M42	✓	✓	✓	
• Stainless steel flange 2" class 300	M47	✓	✓	✓	
• Stainless steel flange 3" class 150	M43	✓	✓	✓	
• Stainless steel flange 3" class 300	M48	✓	✓	✓	
• Stainless steel flange 4" class 150	M44	✓	✓	✓	
• Stainless steel flange 4" class 300	M49	✓	✓	✓	
Threaded connection G 2", flush-mounted	R04	✓	✓	✓	
Tank connection TG 50/52, PN 40	R10	✓	✓	✓	
Sanitary process connection according DIN 11851 (Dairy connection)					
• DN 50, PN 25	N04	✓	✓	✓	
• DN 80, PN 25	N06	✓	✓	✓	
Tri-Clamp connection according DIN 32676/ISO 2852					
• DN 50/2", PN 16	N14	✓	✓	✓	
• DN 65/3", PN 10	N15	✓	✓	✓	
Varivent connection certified to EHEDG					
• Type N = 68 for Varivent housing DN 40 ... 125 and 1½" ... 6", PN 40	N28	✓	✓	✓	
Temperature decoupler up to 200 °C ¹⁾ for version with front-flush diaphragm	P00	✓	✓	✓	
Bio-Control (Neumo) sanitary connection certified to EHEDG					
• DN 50, PN 16	Q53	✓	✓	✓	
• DN 65, PN 16	Q54	✓	✓	✓	

Selection and Ordering data		Order code			
Further designs			HART	PA	FF
Add "-Z" to Order No. and specify Order code.					
Sanitary process connection to DRD • 50 mm, PN 40	M32	✓	✓	✓	
Sanitary process connection to NEUMO Bio-Connect screw connection certified to EHEDG					
• DN 50, PN 16	Q05	✓	✓	✓	
• DN 65, PN 16	Q06	✓	✓	✓	
• DN 80, PN 16	Q07	✓	✓	✓	
• DN 100, PN 16	Q08	✓	✓	✓	
• DN 2", PN 16	Q13	✓	✓	✓	
• DN 2½", PN 16	Q14	✓	✓	✓	
• DN 3", PN 16	Q15	✓	✓	✓	
• DN 4", PN 16	Q16	✓	✓	✓	
Sanitary process connection to NEUMO Bio-Connect flange connection certified to EHEDG					
• DN 50, PN 16	Q23	✓	✓	✓	
• DN 65, PN 16	Q24	✓	✓	✓	
• DN 80, PN 16	Q25	✓	✓	✓	
• DN 100, PN 16	Q26	✓	✓	✓	
• DN 2", PN 16	Q31	✓	✓	✓	
• DN 2½", PN 16	Q32	✓	✓	✓	
• DN 3", PN 16	Q33	✓	✓	✓	
• DN 4", PN 16	Q34	✓	✓	✓	
Sanitary process connection to NEUMO Bio-Connect clamp connection certified to EHEDG					
• DN 50, PN 16	Q39	✓	✓	✓	
• DN 65, PN 10	Q40	✓	✓	✓	
• DN 80, PN 10	Q41	✓	✓	✓	
• DN 100, PN 10	Q42	✓	✓	✓	
• DN 2½", PN 16	Q48	✓	✓	✓	
• DN 3", PN 10	Q49	✓	✓	✓	
• DN 4", PN 10	Q50	✓	✓	✓	
Sanitary process connection to NEUMO Connect S flange connection certified to EHEDG					
• DN 50, PN 16	Q63	✓	✓	✓	
• DN 65, PN 10	Q64	✓	✓	✓	
• DN 80, PN 10	Q65	✓	✓	✓	
• DN 100, PN 10	Q66	✓	✓	✓	
• DN 2", PN 16	Q72	✓	✓	✓	
• DN 2½", PN 10	Q73	✓	✓	✓	
• DN 3", PN 10	Q74	✓	✓	✓	
• DN 4", PN 10	Q75	✓	✓	✓	

1) The maximum temperatures of the medium depend on the respective cell fillings.

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Selection and Ordering data

Order code

Additional data

Add "-Z" to Order No. and specify Order code.

Measuring range to be set

Specify in plain text (max. 5 digits):
Y01: ... up to ... mbar, bar, kPa, MPa, psi

Measuring point number (TAG No.)

Max. 16 characters, specify in plain text:
Y15:

Measuring point text

Max. 27 characters, specify in plain text:
Y16:

Setting of pressure indicator 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 H₂O^{*}), inH₂O^{*}), ftH₂O^{*}),
mmHG, inHG, psi, Pa, kPa, MPa, g/cm²,
kg/cm², Torr, ATM oder %

*) ref. temperature 20 °C

Only "Y01" and "Y21" can be factory preset

✓ = available

Ordering example

Item line: 7MF4133-1DB20-1AB7-Z

B line: A22 + Y01 + Y21

C line: Y01: 1 ... 10 bar (14.5 ... 145 psi)

C line: Y21: bar (psi)

HART	PA	FF
✓		
✓	✓	✓
✓	✓	✓
✓	✓	✓