

Pressure transmitter for sanitary applications

01/2015

Applications

- For gases, compressed air, vapour, liquids, pastes and powdery media
- Ultra-pure steam systems for SIP
- Hydrostatic level measurement:
- Vacuum pressure monitoring, e.g. vacuum conveyors, pump monitoring
- Food and beverage manufacturing, pharmaceutical industry, biotechnology, sanitary applications

Special features

- Wide variety of aseptic process connections, for process temperatures up to 150 °C
- Flush diaphragm with a surface roughness of $R_a < 0.38 \mu\text{m}$
- Fully welded
- Suitable for SIP and CIP
- Ingress protection up to IP 68



SA-11 with angular connector and Tri-Clamp DN 1 1/2"

Order numbers

Non-linearity		0.5 % of span (per IEC 61298-2)							
Medium temperature		-20 ... +150 °C							
Power supply		DC 10 ... 30 V							
Output signal		4 ... 20 mA							
O-ring		without							
Electrical connection		Angular connector DIN 175301-803 A				Circular connector M12 x 1			
Process connection		Tri-Clamp DN 1 1/2"	Grooved union nut DIN 11851 DN 40	Grooved union nut DIN 11851 DN 50	VARVIVENT® form F	Tri-Clamp DN 1 1/2"	Grooved union nut DIN 11851 DN 40	Grooved union nut DIN 11851 DN 50	VARVIVENT® form F
Measuring range	0 ... 0.25 bar	7677894	7195587	12472809	12227544	12473643	12473562	12474089	12473856
	0 ... 0.4 bar	7002152	7558044	12472825	12227561	7332771	12473571	12474101	12473864
	0 ... 1 bar	7124809	7433006	12472868	12227588	12473651	12473619	12474127	12473872
	0 ... 2.5 bar	12026026	7328774	12160601	12227609	12473660	12474011	12474151	12473899
	0 ... 4 bar	7235864	7208557	12472922	7413438	12473678	12474020	12474160	12473902
	0 ... 6 bar	7796494	7192953	12471135	12227625	7416488	12474054	12474186	12473911
	0 ... 10 bar	7656552	7647986	7763243	12227633	12473686	12474062	12474194	12473929

Legend: available from stock in Germany available after production -- not available

Quick order code (you can find further possible variants in data sheet PE 81.80)

Field no.	Code	Version
Output signal		
①	A	4 ... 20 mA
Measuring range		
②	BAN	0 ... 0.25 bar
	BBB	0 ... 0.4 bar
	BBC	0 ... 0.6 bar
	BBD	0 ... 1 bar
	BBE	0 ... 1.6 bar
	BEC	0 ... 2 bar
	BBF	0 ... 2.5 bar
	BBG	0 ... 4 bar
	BBH	0 ... 6 bar
	BBI	0 ... 10 bar
	BBK	0 ... 16 bar
	BBL	0 ... 25 bar
	BCA	-1 ... +0 bar
	BCD	-1 ... +0.6 bar
	BCE	-1 ... +1 bar
	BCI	-1 ... +2 bar
	BCH	-1 ... +3 bar
	BCJ	-1 ... +4 bar
	BCK	-1 ... +5 bar
	BCL	-1 ... +9 bar
	BCS	-1 ... +10 bar
	BCP	-1 ... +15 bar
Process connection		
③	RT	Tri-Clamp DN 1 1/2"
	SA	Tri-Clamp DN 2"
	3S	VARIVENT® form N
	3R	VARIVENT® form F
	SJ	Grooved union nut DIN 11851 DN 25
	SD	Grooved union nut DIN 11851 DN 40
	SE	Grooved union nut DIN 11851 DN 50
	ST	Grooved union nut DIN 11864-1 form A DN 40 for pipes in accordance with DIN 11850 and DIN 11866 series A
	2W	NEUMO® BioConnect® DN 40 flange form V
Accuracy		
④	G	0.5 %
	K	0.25 %
Electrical connection		
⑤	A4Z	DIN 175301-803 A
	M4Z	M12 x 1 (4-pin)
	FHZ	Field case, cable gland brass nickel-plated with spring clip terminal
	FCZ	Field case, cable gland stainless steel with spring clip terminal
	EMI	Cable outlet, IP 68, 10 m
	EMC	Cable outlet, IP 68, 1.5 m
	EME	Cable outlet, IP 68, 3 m
	EMG	Cable outlet, IP 68, 5 m
	EMY	Cable outlet, IP 68, 5 ft
	EM2	Cable outlet, IP 68, 20 ft

Order code: SA-11 - ① **A** - ② - ③ -A ④ ⑤ Z - ZZZ