

Reed contact pressure gauges

spectrosys 



Reed contact pressure gauge

Product features

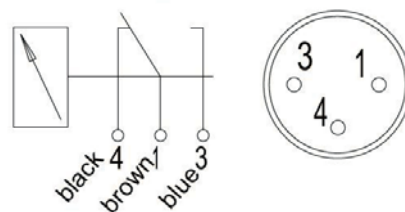
- Reed contact pressure gauge with digital signal
- Compact design by 50 mm body
- Double scale bar / psi
- Easy installation of the gauge without cable
- Using the M8 plug a grey or blue (ATEX) cable can be connected

Art.-No.	Pressure range	Setting range	Type of gas	Connection	
				bottom	rear
1/4"-NPT					
66ME0000	-1/+15 RM10	0-13,5 bar	high purity	x	
66ME0001	0/+40 RM20	1-36 bar	high purity	x	
66ME0002	0/+100 RM50	2,5-90 bar	high purity	x	
66ME0003	0/+160 RM100	4-144 bar	high purity	x	
66ME0004	0/+250 RM200	7-225 bar	high purity	x	
66ME0005	0/+400 RM300	10-360 bar	high purity	x	
66ME0027	-1/+15 RM10	0-13,5 bar	high purity		x
66ME0006	0/+160 RM100	4-144 bar	high purity		x
66ME0007	0/+250 RM200	7-225 bar	high purity		x
66ME0008	0/+400 RM300	10-360 bar	high purity		x
G1/4"					
66ME0009	0/+40 RM20	1-36 bar	high purity	x	
66ME0010	0/+100 RM50	2,5-90 bar	high purity	x	
66ME0011	0/+160 RM100	4-144 bar	high purity	x	
66ME0012	0/+400 RM300	10-360 bar	high purity	x	
66ME0013	0/+160 RM100	4-144 bar	high purity		x
66ME0014	0/+400 RM300	10-360 bar	high purity		x
1/4"-VCR					
66ME0041	-1/+15 RM10	0-13,5 bar	UHP	x	
66ME0042	0/+40 RM20	1-36 bar	UHP	x	
66ME0043	0/+100 RM50	2,5-90 bar	UHP	x	
66ME0044	0/+160 RM100	4-144 bar	UHP	x	
66ME0045	0/+250 RM200	7-225 bar	UHP	x	
66ME0046	0/+400 RM300	10-360 bar	UHP	x	
66ME0036	-1/+15 RM10	0-13,5 bar	UHP		x
66ME0037	0/+40 RM20	1-36 bar	UHP		x
66ME0038	0/+100 RM50	2,5-90 bar	UHP		x
66ME0039	0/+160 RM100	4-144 bar	UHP		x
66ME0026	0/+250 RM200	7-225 bar	UHP		x
66ME0040	0/+400 RM300	10-360 bar	UHP		x

Technical data

Sensing device	1.4404 oil and grease free
Nominal diameter	50 mm
Connection	stainless steel 1.4571 / 1.4404 oil and grease free - 1/4"-NPT or - G 1/4" or - 1/4"-VCR male
Connection for cable	M8 connection socket
Protection class	IP 54
Contact	Reed contact
Power supply voltage	24V DC/AC
Current input	0,1 A
Breaking capacity	0,6 W / 0,6 VA
Function	contact opens with increasing or decreasing pressure (changeover contact), approaching the adjusted set point
Window	Polycarbonate (PC)
Accuracy	Kl. 1,6
Switching accuracy	+/- 2,5 % of full scale
Leak rate	≤ 10 ⁻⁸ mbar l/s He
Weight	130 g

switch function:



Article numbers for cable:

5 m cable grey, straight connector:	66ZM0000
5 m cable blue, straight connector:	66ZM0001
20 m cable blue, straight connector:	66ZM0002
5 m cable grey, angle connector:	66ZM0003
5 m cable blue, angle connector:	66ZM0004
20 m cable blue, angle connector:	66ZM0005

The 3 wires of the cable are to be connected to the alarm unit or safety barrier as follows:

blue + brown for alarm with falling pressure

black + brown for alarm with rising pressure

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Art.-No.	Pressure range	Setting range	Type of gas	Connection	
				bottom	rear
1/4"-NPT					
77053208	0/+40	1-6 bar	acetylene	x	
77054178	0/+40	1-6 bar	acetylene		x
G1/4"					
77053215	0/+40	1-6 bar	acetylene	x	

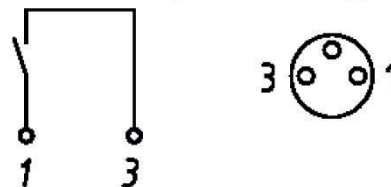
Technical data

Sensing device	1.4404 oil and grease free
Nominal diameter	50 mm
Connection	stainless steel 1.4571 / 1.4404 oil and grease free - 1/4"-NPT or - G 1/4"
Connection for cable	M8 connection socket
Protection class	IP 54
Contact	Reed contact
Power supply voltage	24V DC/AC
Current input	0,4 A
Breaking capacity	8 W / 8 VA
Function	contact opens with decreasing pressure, approaching the adjusted set point
Window	Polycarbonate (PC)
Accuracy	Kl. 1,6
Switching accuracy	+/- 2,5 % of full scale
Leak rate	≤ 10 ⁻⁸ mbar l/s He
Weight	120 g

Applications in explosive environment:

Operating in explosion endangered areas the contact must be used only in intrinsically safe electric systems according to EN 50020. Within explosion endangered areas a blue or blue marked cable has to be used..

switch function, non-pressurized Type RK1.1



Article numbers for cable:

5 m cable grey, straight connector:	66ZM0000
5 m cable blue, straight connector:	66ZM0001
20 m cable blue, straight connector:	66ZM0002
5 m cable grey, angle connector:	66ZM0003
5 m cable blue, angle connector:	66ZM0004
20 m cable blue, angle connector:	66ZM0005

The 3 wires of the cable are to be connected to the alarm unit or safety barrier as follows:

blue + brown for alarm with falling pressure

The black wire is not connected.