

Standard system contact pressure gauges Industry version

with or without dampening

Nominal size ND 100

Accuracy class 1,0
according to DIN EN 837-1

Features

Modular construction system ensures
high reliability and long service life
Measuring system stainless steel 1.4571
Protection to IP 65
Liquid dampening provides vibration-free display

Applications

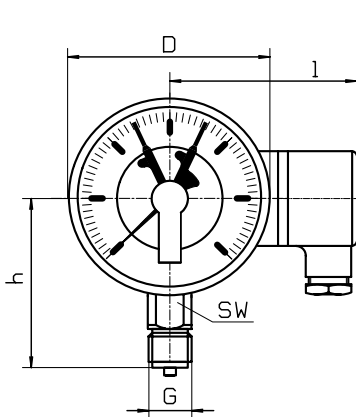
Process engineering
Mechanical engineering and plant construction
Water treatment



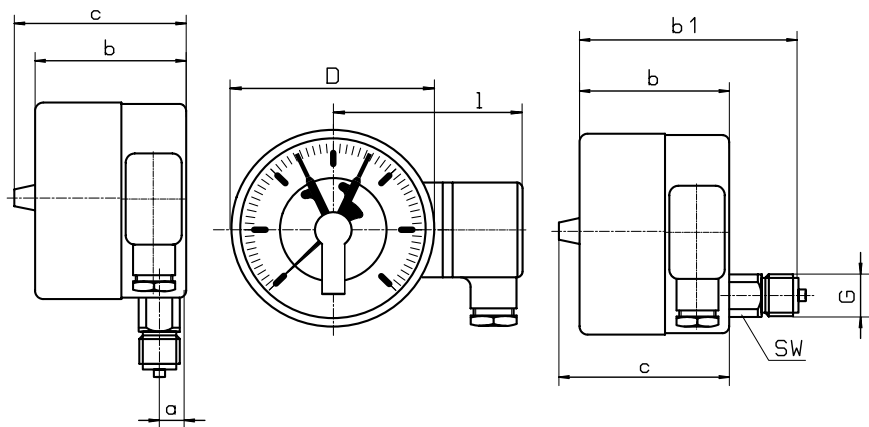
			with silicon oil filling	
Models and ND	KMR-20 100	KMR-25 100	KMR-20 F 100	KMR-25 F 100
Connection	bottom	back, eccentric	bottom	back, eccentric
Ranges in bar	0...1, 1,6, 2,5, 4, 6, 10, 16, 25, 40, 60, 100, 160, 250, 400, 600, 1.000, 1.600 -1 / 0, -1 / +0,6, -1 / +1,5, -1 / +3, -1 / +5, -1 / +9, -1 / +15			
Applications	Constant load : up to full scale value Alternating load: up to 0,9 x full scale value Short-time: overload capacity 1,3 x full scale value			
Case	CrNi steel			
Bezel	CrNi steel			
Window	Polycarbonate			
Dial	Aluminium white, scale and imprint black to DIN 16109			
Pointer	Aluminium, black			
Movement	CuZn-alloy			
Measuring element	CuZn-alloy up to 40 bar, above 60 bar helical spring stainless steel			
Pressure Connection	Copper Alloy up to 1000 bar, > 1000 bar CrNi steel			
Connection thread	G 1/2 B			
Protection	IP 54 to EN 60529 / IEC 529		IP 65 to EN 60529 / IEC 529	
Temperatures	Medium: -20°C to 80°C, Ambient: -25°C to 60°C			
Weight	0,9		1,4	
Technical Information for Contact types look at modelspecification M 950 and M 960				

Dimensions

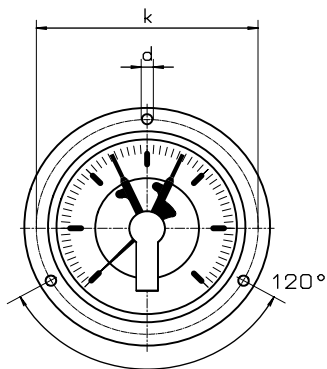
Connection bottom



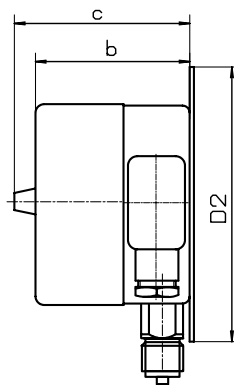
Connection back, eccentric



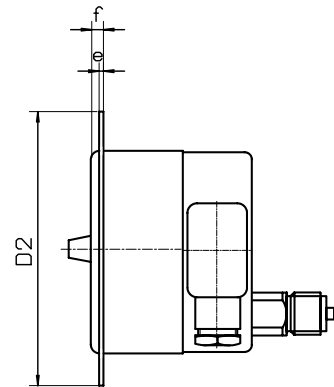
Front / rear mounting flange



rear mounting flange



front mounting flange



Dimensions in mm

Model	NG	D	a	b	b1	h		D2	e	f	k	d	sw	G
KMR-20	100	101	15	78	-	86		132	2	6	116	5	22	G 1/2 B
KMR-25	100	101	-	78	113	-		132	2	6	116	5	22	G 1/2 B

Model	NG	c	l
KMR-20	100	88	88
KMR-25	100	88	88

Modelspecification

Model
KMR-2

Connection
0 or 5

Bottom = 0
Back eccentric = 5

Filling

F or -

with filling = F
without filling =

Nominal size

100

Case ND 100 = 100

Range

f.e. 10 bar

after rangespecification
for 10 bar = 010

Options

f.e. M12

Contact in Specification

Contact closes/ opens

SUCHY MESSTECHNIK

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Modifications reserved

Standard system contact pressure gauges Industry version without and with filling

with or without dampening

Nominal size ND 100
according to DIN EN 837-1

Accuracy class 1,0
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Features

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Applications

Process engineering
Mechanical engineering and plant construction
Water treatment

			with silicon oil filling	
Models and ND	KMR-20 160	KMR-25 160	KMR-20 F 160	KMR-25 F 160
Connection	bottom	back, eccentric	bottom	back, eccentric
Ranges in bar	0...1, 1,6, 2,5, 4, 6, 10, 16, 25, 40, 60, 100, 160, 250, 400, 600, 1.000, 1.600 -1 / 0, -1 / +0,6, -1 / +1,5, -1 / +3, -1 / +5, -1 / +9, -1 / +15			
Applications	Constant load : up to full scale value Alternating load: up to 0,9 x full scale value Short-time: overload capacity 1,3 x full scale value			
Case	CrNi steel			
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Dial	Aluminium white, scale and imprint black to DIN 16109			
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Movement	CuZn-alloy			
Measuring element	CuZn-alloy up to 40 bar, above 60 bar helical spring CrNi steel			
Pressure Connection	Copper Alloy up to 1000 bar, > 1000 bar CrNi steel			
Connection thread	G 1/2 B			
Protection	IP 54 to EN 60529 / IEC 529		IP 65 to EN 60529 / IEC 529	
Temperatures	Medium: -20°C to 80°C, Ambient: -25°C to 60°C			
Weight	1,8 kg		3,3 kg	
Technical Information for Contact types look at modelspecification M 950 and M 960				

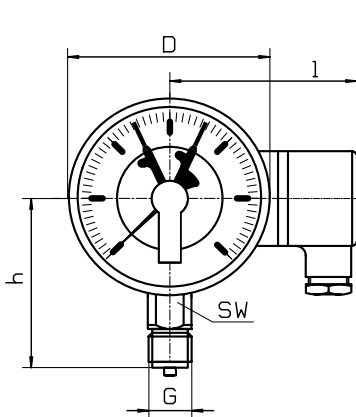
SUCHY MESSTECHNIK

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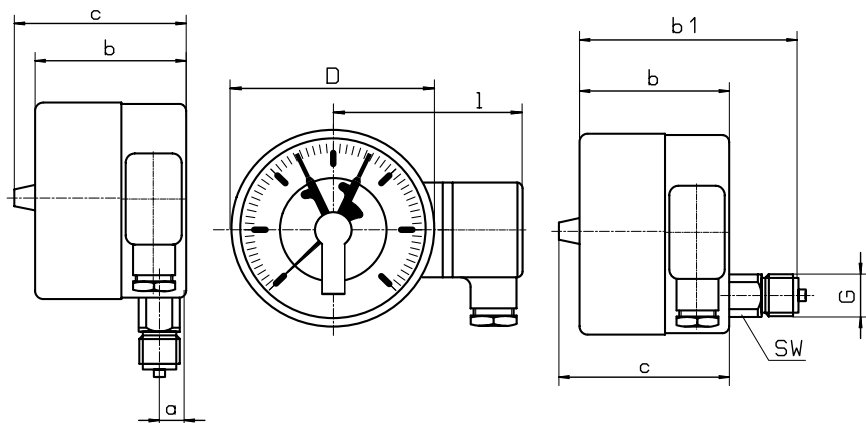
Data sheet M 250 01

Dimensions

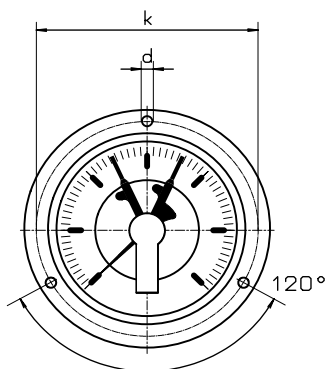
Connection bottom



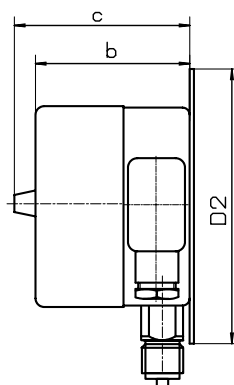
Connection back, eccentric



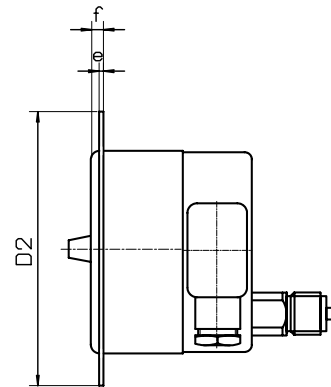
Front / rear mounting flange



rear mounting flange



front mounting flange



Dimensions in mm														
Model	NG	D	a	b	b1	h		D2	e	f	k	d	sw	G
KMR-20	160	160	15	97	-	118		196	3	8	178	5,6	22	G 1/2 B
KMR-25	160	160	-	97	132	-		196	3	8	178	5,6	22	G 1/2 B

Model	NG	c	l
KMR-20	160	107	118
KMR-25	160	107	118

Modelspecification

Model	Connection	Filling	Nominal size	Range	Options
KMR-2	0 or 5	F or -	160	f.e. 10 bar	f.e. M 12
	Bottom = 0 Back eccentric = 5		Case with ND 160 = 160		Contact a. Specification Contact closes/ opens
		with filling = F without filling =		after rangespecification for 10 bar = 010	