

Standard system contact pressure gauges for the chemical industry

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



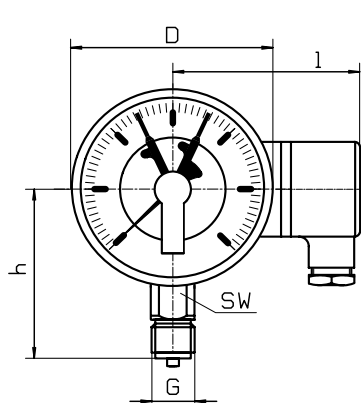
Applications

Process engineering
Mechanical engineering and plant construction
Water treatment
Food industry

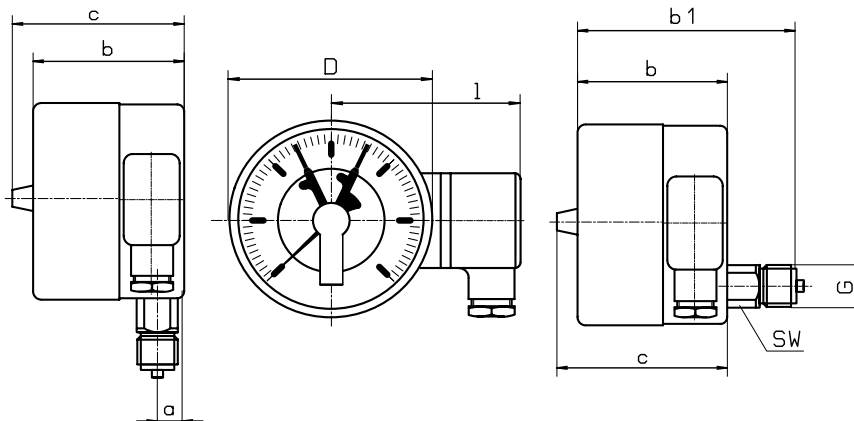
Design			with silicon oil filling	
Models and ND	KMR-30 100	KMR-35 100	KMR-30 F 100	KMR-35 F 100
Connection	bottom	back, eccentric	bottom	back, eccentric
Ranges in bar	0...1, 1,6, 2,5, 4, 6, 10, 16, 25, 40, 60, 100, 160, 250, 400, 600, 1.000, 1.600 -1 / 0, -1 / +0,6, -1 / +1,5, -1 / +3, -1 / +5, -1 / +9, -1 / +15			
Application	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	CrNi steel			
Measuring element	CrNi steel ,to 40 bar with bourdon tube, from 60 bar helical tube			
Pressure Connection	SW 22, 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 kg		1,4 kg	
Technical Information for Contact types look at modelspecification M 950 and M 960				

Dimensions

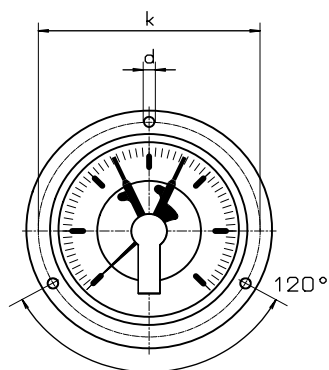
Connection position bottom radial



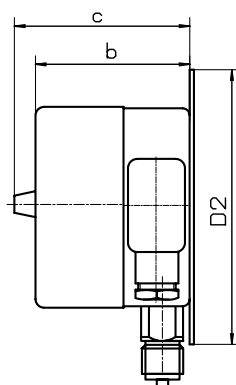
Connection position back, eccentric



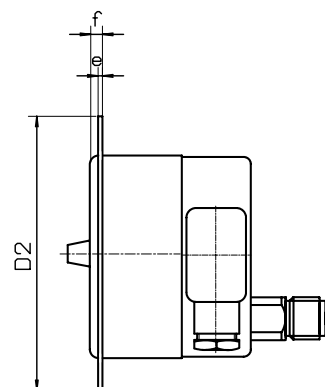
Front / rear mounting flange



rear mounting flange



front mounting flange



Dimensions in mm

Model	NG	D	a	b	b1	h		D2	e	f	k	d	sw	G
KMR-30	100	101	15	78	-	86		132	2	6	116	5	22	G 1/2 B
KMR-35	100	101	-	78	113	-		132	2	6	116	5	22	G 1/2 B

Model	NG	c	l
KMR-30	100	88	88
KMR-35	100	88	88

Modelspecification

Model
KMR-3

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. M 12

Contact after Specification

Contact closes/ opens

Standard system contact pressure gauges for the chemical industry

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Nominal size ND 160

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

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Protection to IP 65
Liquid dampening provides vibration-free display

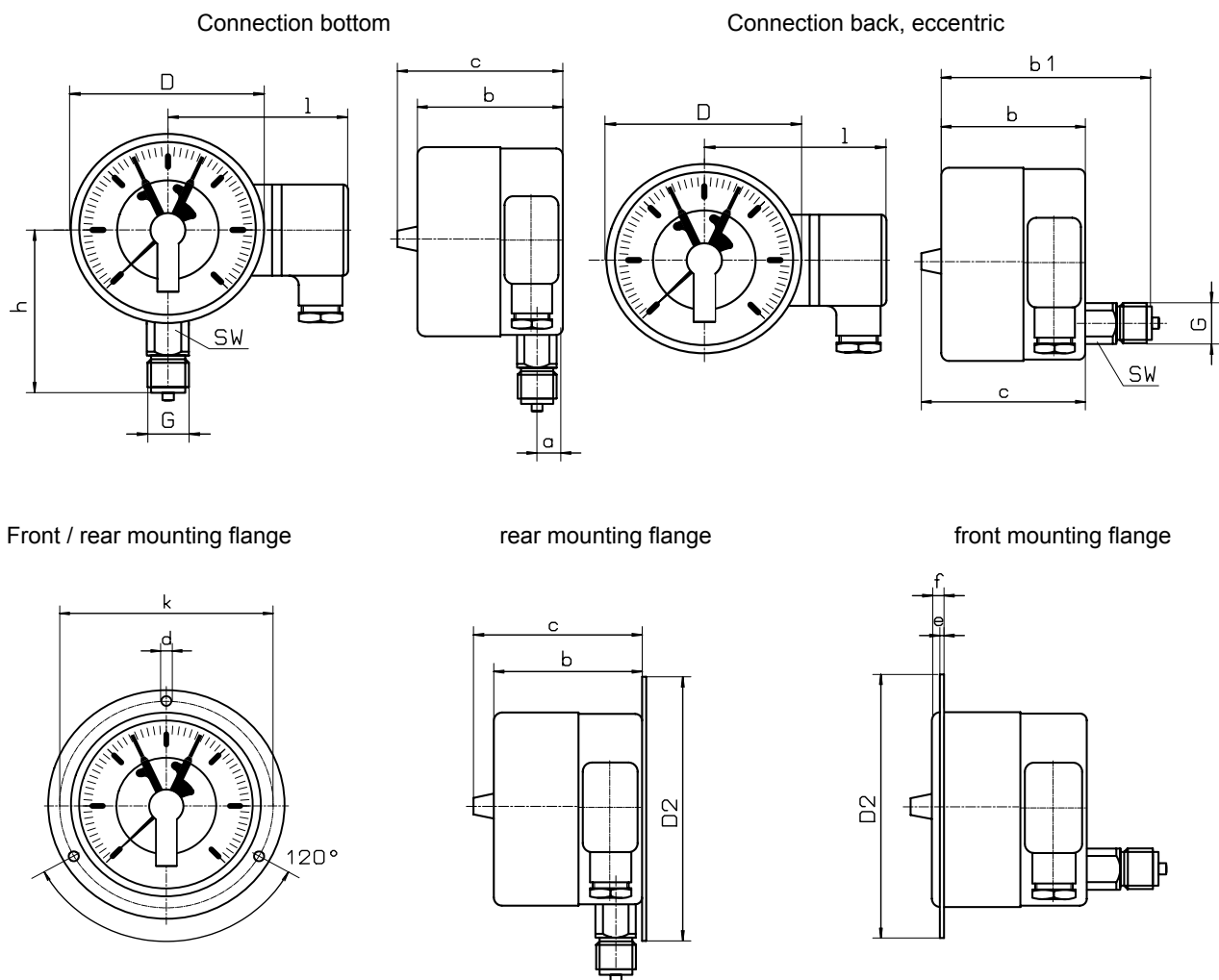


Applications

Process engineering
Mechanical engineering and plant construction
Water treatment
Food industry

Design			with silicon oil filling	
Models and ND	KMR-30 160	KMR-35 160	KMR-30 F 160	KMR-35 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			
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Dial	Aluminium white, scale and imprint black to DIN 16109			
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Measuring element	CrNi steel, to 40 bar with bourdon tube, from 60 bar helical tube			
Pressure Connection	SW 22, 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				

Dimensions



Dimensions in mm														
Model	NG	D	a	b	b1	h		D2	e	f	k	d	sw	G
KMR-30	160	160	15	97	-	118		196	3	8	178	5,6	22	G 1/2 B
KMR-35	160	160	-	97	132	-		196	3	8	178	5,6	22	G 1/2 B

Model	NG	c	l
KMR-30	160	107	118
KMR-35	160	107	118

Modelspecification

Model	Connection	Filling	Nominal size	Range	Options
KMR-3	0 or 5	F or -	160	f.e. 10 bar	f.e. M 12
Connection bottom = 0 Connection back, eccentric = 5 with filling = F without filling = Case ND 160 = 160 after rangespecification for 10 bar = 010 Contact after specification Contact closes/ opens					

SUCHY MESSTECHNIK

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Modifications reserved