

Pressure Gauge with mag. Contact series MMS5

with switch contacts device
Bayonet ring case stainless steel

General features

- Pressure gauge with switch contact device
- All st. steel pressure gauge
- German movement and sensing element
- Scale range up to 2,500 bar
- Magnetic snap contact

Application area

- The MMS series is used for process control, factory monitoring and circuit switching.
- Apply for Chemical industry, petrochemical industry, power plants and general plant construction

General specification

Size

100 mm

Pressure range

0...1 bar to 0...2500 bar

Accuracy class

Accuracy (DIN EN 837-1) class
Class 1.0 for 100mm

Temperature

operating temperature ranges
(ambient and measured medium)
-20...+60 °C
Reference Temperature
+20 °C

Case and bezel ring

Material: 304 Stainless steel
Bayonet ring
with blow-out disc at the top of the case

Type of mounting

Bottom connection
Bottom connection with back flange
Back connection
Back connection with front flange



Bourdon tube pressure gauge with switch, series MMS

Process Connection

Stainless steel, 316L
G1/2", PT1/2", PT3/8"
others on request

Bourdon tube

316L Stainless steel
< 60 bar: C-type
≥ 60 bar: spiral

Movement

stainless steel segment

Dial

Aluminium, white

Window

Instrument safety glass

Electronical connection

cabl gland M20x1.5
protection acc. to IEC 529 IP 65
(when plugged and screwed)
exterior cabl diameter 7-13 mm

Option

case filling 85%
- Glycerine



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Ordering information

Model code

MMS

Dial size

5 : 100 mm

Mounting

1 : Bottom connection
2 : Bottom connection
with back flange
3 : Back connection
4 : Back connection
with front flange

Liquid filling

0 : Dry
1 : Glycerin

Option

Refer to option table

Mag. Snap contact

M01 : Make contact
M02 : Break contact
M21 : double contact
XX : Others

Pressure range

Refer to pressure range table

Unit of measurement

B : bar D : dual scale
M : MPa X : others
P : psi

Pressure Range Code per DIN Standard range

Code	Range	Code	Range
R05	-1...24 bar	R35	0...16 bar
R07	-1...15 bar	R37	0...25 bar
R09	-1...9 bar	R39	0...40 bar
R11	-1...5 bar	R41	0...60 bar
R13	-1...3 bar	R43	0...100 bar
R15	-1...1.5 bar	R45	0...160 bar
R17	-1...0.6 bar	R47	0...250 bar
R19	-1...0 bar	R50	0...400 bar
R21	0...0.6 bar	R53	0...600 bar
R23	0...1 bar	R55	0...1000 bar
R26	0...1.6 bar	R56	0...1600 bar
R28	0...2.5 bar	R58	0...2500 bar
R30	0...4 bar		
R32	0...6 bar		
R33	0...10 bar	YY	Others

Process connection

G2 : PF 1/2" N2 : NPT 1/2"
G3 : PF 3/8" N3 : NPT 3/8"
G4 : PF 1/4" N4 : NPT 1/4"
R2 : PT 1/2" U1 : UNF 7/16"-20 male
R3 : PT 3/8" U2 : UNF 7/16"-20 female
R4 : PT 1/4" H1 : UNF 5/8"-18 female
H2 : M16 x 1.5 female

Option code

Code	Description	Code	Description
ND	New dial design	TP	St. stell tag plate, 60 x 20 x 0.5t
NF	New dial face printing cost per pcs	MC	Manufacture calibration certificate
GM	Green marking per pcs	KC	KOLAS Ilac-MRA calibration certificate
CD	New dial face design with company logo	R	Reed switch
RS	Restrictor screw in socket hole for high pulsation	SN	Snubber
UC	U-clamp for back connection, steel	AD	Adaptor
NO	"USE No OIL" per pcs, at least ≥ 10 pcs	CC	Certificate of conformance / origin
OF	Oval 3-hole front flange	PM	2" Pipe mounting bracket
MP	Maximum pointer	NC	Ni-Cr Plate
BB	Bayonet bezel ring for MBX5	AL	Aluminium pointer for MBX3

How to Order

MMS.510.G2BR37.M01.GM

MMS, 100mm, Cl. 1.0% of FS, Bottom Connection, Dry, G1/2", 0...25 bar, Make contact, Green marking

Load tables for limit value switches

■ Limit values for contact load under ohmic load and operation in air

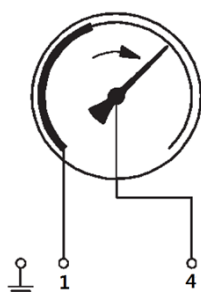
	without case filling	with case filling
Nominal isolation voltage U_i	61 - 300 V	61 - 300 V
Nominal operating voltage U_{eff} max.	250 V	250 V
Nominal operating current:		
Making current	1.0 A	1.0 A
Breaking	1.0 A	1.0 A
Permanent current	0.6 A	9.0 mA
Switching capacity	30 W 50 VA	20 W 20 VA

■ Minimum values for contact load under ohmic load and operation in air

Snap-action contact	
Nominal operating voltage U_{eff} min.	24 V
Switching capacity	0.4 W

Switching functions

Make contact / M01 Break contact / M02



1 : break contact
2 : make contact

1 : make contact
2 : break contact

1 : break contact
2 : break contact

1 : make contact
2 : make contact



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