

Membrane manometers **MM-SN-SN/...-0, MM-SN-SN/...-G**

Technical description

Characteristic
– media pressure measurement: thick, aggressive, dirty and sticky
– shockproof, filled with glycerin
– EN 837
– corrosive and various atmospheres proof
Measuring range according to 837.1
(0 ÷ 10) mbar up to (0 ÷ 40 bar) - without filling
(0 ÷ 40) mbar and above - with filling and membrane with PTFE foil
Housing
– dial diameter [mm]: ø100, 160
– material: steel 304 (1.4301)
Housing protection degree (EN60529/IEC929)
IP54 - without filling
IP65 - with filling
Elements in contact with the medium
– SN/2 bottom flange: galvanized carbon steel gasket: NBR membrane: (10 ÷ 250) mbar: 316Ti (0,4 ÷ 1,6) bar: duratherm (alloy NiCrCo) (2,5 ÷ 40) bar: galvanized carbon steel
– SN/3 bottom flange: 316Ti gasket: FPM membrane: (10 ÷ 250) mbar: 316Ti (0,4 ÷ 1,6) bar: duratherm
– SN/4 bottom flange: galvanized carbon steel, PTFE gasket: PTFE membrane: (40 ÷ 250) mbar: 316Ti, PTFE foil (0,4 ÷ 1,6) bar: durotherm, PTFE foil
– SN/5 bottom flange: 316Ti, PTFE gasket: PTFE membrane: (40 ÷ 250) mbar: 316Ti, PTFE foil (0,4 ÷ 1,6) bar: durotherm, PTFE foil
Bottom flange
– material: stainless steel 304 (1.4301)
Flange diameter
– pressure range ≤250 mbar: ø160 mm
– pressure range ≥400 mbar: ø100 mm
Process connection type
G½; M20x1,5; ½"NPT



Accuracy class (acc. to EN 837-3)
1,6%
2,5% - version with PTFE foil
Temperature of the medium
max. 100 °C - without filling; membrane material: 316Ti
Environment temperature
(-40 ÷ 60) °C
Additional functions
– hygienic process connection (acc. to DIN 11851)
– other protective foil material - silver, PFTE, tantalum, FPM etc.
– other flange materials
– safety acrylic glass
– specially made dial - inscriptions, range, dual scale
– accuracy class 1% wg EN837-3
– version for medium temperature >100 °C
– electrical contacts
– top or aside mounting on the installation

Ordering code

Manometer	MM - SN - ... - ... - ... - ... - ... - ... - ...
Housing type: assembled	
Connection material: acc. to description	SN/2, SN/3, SN/4, SN/5*
Fill: without filling	0
glycerin	G
Housing diameter	100, 160
Thread for: ø63 mm	G¼; M12x1,5
Thread for: ø100, 150, 160 mm	G½; M20x1,5
Radial connection	R
Rear connection	T
Range [mbar]	wg typoszeregu
Accuracy class	1,6%; 2,5%

* Acc. to requirements

Ordering example

Manometer **MM-SN-SN/2-0-160-G½-R-6bar-1,6%**