

Waterproof and shock resistance manometer with radial connection

Type : **03382-V /ø100mm/**
03384-G /ø100mm, glycerin/
03313-V /ø160mm/
03313-G /ø160mm, glycerin/

Application :

For gaseous and liquid media that will not obstruct the pressure system.

Description :

Construction
 STN EN 837

Protection
 IP 65, according to STN EN 60 529

Connection
 Radial (lower)

Accuracy class
 1,6 %

Type / Diameter / Connection / Thread / Accuracy class

- 03382-V / ø100 mm / radial / M20x1,5 (G1/2") / 1,6
- 03384-G / ø100 mm / radial / M20x1,5 (G1/2") / 1,6
- 03313-V / ø160 mm / radial / M20x1,5 (G1/2") / 1,6
- 03313-G / ø160 mm / radial / M20x1,5 (G1/2") / 1,6

Allowed temperature

ambient : -20 ... +60°C
 medium : max. +60°C

Material

Measuring element: bronze bourdon tube (bourdon tube) till 10MPa
 stainless steel from 16MPa
 Connection : stainless steel 1.4301
 Movement : brass
 Case : stainless steel 1.4301
 Visor : glass
 Dial : white aluminium dial marking black
 Pointer : aluminium black color

Options

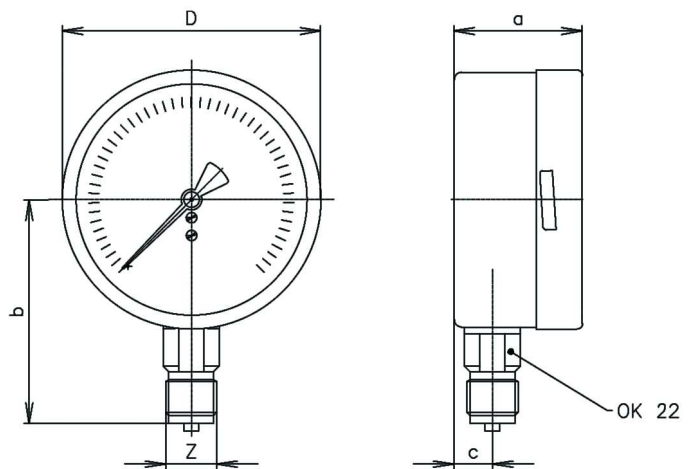
- accuracy class 1%
- front or back flange
- other connection (thread) on special request
- scala in units „bar“, „PSI“, and other
- atypical eventually double scala
- option mounting with diaphragm separator
- construction with trailing pointer
- realization for OXYGEN
- construction with temperature scala R717, NH3



Allowed loading

Static : 75% from range
 Variable : 66% from range
 For a short term : 100% from range

Dimensions of manometer (mm)



| TYPE | D | a | b | c | Z |
|---------|-----|----|-----|----|-----------------|
| 03382-V | 101 | 49 | 86 | 16 | M20x1,5 (G1/2") |
| 03384-G | 101 | 49 | 86 | 16 | M20x1,5 (G1/2") |
| 03313-V | 161 | 49 | 117 | 16 | M20x1,5 (G1/2") |
| 03313-G | 161 | 49 | 117 | 16 | M20x1,5 (G1/2") |

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Producing ranges

| Range | Code of range | 03382-V | 03384-G | 03313-V | 03313-G |
|---------------|---------------|---------|---------|---------|---------|
| 0-60kPa | 01 | X | X | X | X |
| 0-100kPa | 02 | X | X | X | X |
| 0-160kPa | 03 | X | X | X | X |
| 0-250kPa | 04 | X | X | X | X |
| 0-400kPa | 05 | X | X | X | X |
| 0-600kPa | 06 | X | X | X | X |
| 0-1MPa | 07 | X | X | X | X |
| 0-1,6MPa | 08 | X | X | X | X |
| 0-2,5MPa | 09 | X | X | X | X |
| 0-4MPa | 10 | X | X | X | X |
| 0-6MPa | 11 | X | X | X | X |
| 0-10MPa | 12 | X | X | X | X |
| 0-16MPa | 13 | X | X | X | X |
| 0-25MPa | 14 | X | X | X | X |
| 0-40MPa | 15 | X | X | X | X |
| 0-60MPa | 16 | X | X | X | X |
| 0-100MPa | 17 | X | X | X | X |
| 0-160MPa | 18 | X | X | X | X |
| | | | | | |
| -100-0kPa | 20 | X | X | X | X |
| -100-0-60kPa | 21 | X | X | X | X |
| -100-0-150kPa | 22 | X | X | X | X |
| -100-0-300kPa | 23 | X | X | X | X |
| -100-0-500kPa | 24 | X | X | X | X |
| -100-0-900kPa | 25 | X | X | X | X |
| -0,1-0-1,5MPa | 26 | X | X | X | X |
| -0,1-0-2,4MPa | 27 | X | X | X | X |