

Overview

- For corrosive gases and liquids
- Class 1.6 according to EN 837-1
- Wetted parts: Stainless steel
- Case with crimped bezel ring



Picture similar



Technical data

Housing

| | |
|------------------------------|---------------------------------------------------------|
| Nominal size | 2.5" (63 mm) |
| Case material | Stainless steel AISI 304 / 1.4301 |
| Type of housing | Crimped bezel (option 0133 mandatory) |
| Bezel ring material | Stainless steel AISI 304 / 1.4301 |
| Window material | Polycarbonate |
| Window gasket | Elastomer |
| Protection rating (EN 60529) | IP65 |
| Dial | White, Aluminium |
| Pointer | Black, Aluminium |
| Movement material | Stainless steel |
| Safety according to EN 837-1 | S1, with window polycarbonate or Laminated safety glass |

Temperature

| | |
|---------------------|-------------------------------|
| Ambient temperature | -4°F ... +158°F |
| Storage temperature | -40°F ... +158°F |
| Media temperature | -40°F ... +392°F (not filled) |

Wetted parts

| | |
|-----------------------------|------------------------------------|
| Process connection material | Stainless steel AISI 316L / 1.4404 |
|-----------------------------|------------------------------------|

Wetted parts

| | |
|--------------|------------------------------------|
| Bourdon tube | Stainless steel AISI 316L / 1.4404 |
|--------------|------------------------------------|

Performance

| | |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Accuracy according to EN 837-1 | Class 1.6 |
| Min. measuring range | 0 ... 15 psi |
| Max. measuring range | 0 ... 6000 psi |
| Type of pressure | Gauge Compound Vacuum |
| Pressure limitation | Steady: 75 % of full scale value Fluctuating: 65 % of full scale value Short time: 100 % of full scale value |
| Thermal drift (reference: +67 °F) | ± 0.4 % FS/10K |

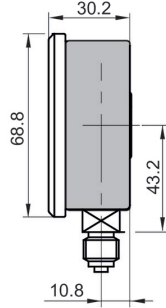
Weight

| | |
|-------|-------------------------------------|
| Gauge | 0.29 lbs unfilled 0.4 lbs filled |
|-------|-------------------------------------|

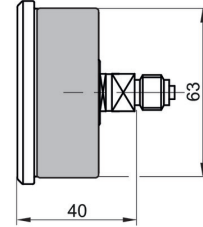
Approval / Conformities

| | |
|------|------------------|
| ATEX | Ex II 2 GDc-IM2c |
|------|------------------|

Dimensional drawings (mm)



Type D crimped version



Type F crimped version

Measuring ranges

| Code | Bar | |
|------|--------|-----|
| B72 | -1 ... | 0.6 |
| B74 | -1 ... | 1.5 |
| B76 | -1 ... | 3 |
| B77 | -1 ... | 5 |
| B79 | -1 ... | 9 |
| B81 | -1 ... | 15 |
| B82 | -1 ... | 24 |
| B15 | 0 ... | 1 |
| B16 | 0 ... | 1.6 |
| B18 | 0 ... | 2.5 |
| B19 | 0 ... | 4 |
| B20 | 0 ... | 6 |
| B22 | 0 ... | 10 |
| B24 | 0 ... | 16 |
| B26 | 0 ... | 25 |
| B27 | 0 ... | 40 |
| B29 | 0 ... | 60 |
| B31 | 0 ... | 100 |
| B33 | 0 ... | 160 |
| B35 | 0 ... | 250 |
| B38 | 0 ... | 400 |

| Code | kPa | |
|------|----------|--------|
| D72 | -100 ... | 60 |
| D74 | -100 ... | 150 |
| D76 | -100 ... | 300 |
| D77 | -100 ... | 500 |
| D79 | -100 ... | 900 |
| D81 | -100 ... | 1 500 |
| D82 | -100 ... | 2 400 |
| D15 | 0 ... | 100 |
| D16 | 0 ... | 160 |
| D18 | 0 ... | 250 |
| D19 | 0 ... | 400 |
| D20 | 0 ... | 600 |
| D22 | 0 ... | 1 000 |
| D24 | 0 ... | 1 600 |
| D26 | 0 ... | 2 500 |
| D27 | 0 ... | 4 000 |
| D29 | 0 ... | 6 000 |
| D31 | 0 ... | 10 000 |
| D33 | 0 ... | 16 000 |
| D35 | 0 ... | 25 000 |
| D38 | 0 ... | 40 000 |

| Code | kg/cm ² | |
|------|--------------------|-----|
| F72 | -1 ... | 0.6 |
| F74 | -1 ... | 1.5 |
| F76 | -1 ... | 3 |
| F77 | -1 ... | 5 |
| F79 | -1 ... | 9 |
| F81 | -1 ... | 15 |
| F82 | -1 ... | 24 |
| F15 | 0 ... | 1 |
| F16 | 0 ... | 1.6 |
| F18 | 0 ... | 2.5 |
| F19 | 0 ... | 4 |
| F20 | 0 ... | 6 |
| F22 | 0 ... | 10 |
| F24 | 0 ... | 16 |
| F26 | 0 ... | 25 |
| F27 | 0 ... | 40 |
| F29 | 0 ... | 60 |
| F31 | 0 ... | 100 |
| F33 | 0 ... | 160 |
| F35 | 0 ... | 250 |
| F38 | 0 ... | 400 |

| Code | psi | |
|------|-------------|-------|
| H73 | -30" Hg ... | 15 |
| H75 | -30" Hg ... | 30 |
| H2C | -30" Hg ... | 60 |
| H78 | -30" Hg ... | 100 |
| H79 | -30" Hg ... | 150 |
| H81 | -30" Hg ... | 220 |
| H82 | -30" Hg ... | 300 |
| H15 | 0 ... | 15 |
| H1C | 0 ... | 20 |
| H17 | 0 ... | 30 |
| H19 | 0 ... | 60 |
| H21 | 0 ... | 100 |
| H22 | 0 ... | 160 |
| H23 | 0 ... | 200 |
| H25 | 0 ... | 300 |
| H26 | 0 ... | 400 |
| H27 | 0 ... | 600 |
| H30 | 0 ... | 1 000 |
| H31 | 0 ... | 1 500 |
| H34 | 0 ... | 3 000 |
| H38 | 0 ... | 6 000 |

Ordering reference

Ordering key - Configuration possibilities see website

| | MEX3 | - | # | # | # | . | ### |
|--------------------------------------|------|---|---|---|---|---|-----|
| Product | MEX3 | | | | | | |
| Case | | | | | | | |
| Case 1.4301 (304), bottom connection | | | | | | D | |
| Case 1.4301 (304), back connection | | | | | | F | |
| Process connection | | | | | | | |
| G 1/4 | | | | | | | 2 |
| 1/4 NPT | | | | | | | 5 |
| Damping fluid | | | | | | | |
| without | | | | | | | 0 |
| BH1, Glycerin 86 % | | | | | | | 1 |
| BH2, Glycerin 99 % | | | | | | | 2 |
| BH3, Silicone oil | | | | | | | 3 |
| Measuring range⁽¹⁾ | | | | | | | |
| bar (EN) | | | | | | | Bxx |
| kPa (EN) | | | | | | | Dxx |
| MPa (EN) | | | | | | | Exx |
| kg/cm ² (EN) | | | | | | | Fxx |
| psi (ANSI) | | | | | | | Hxx |
| bar/psi (EN) | | | | | | | Kxx |
| psi/bar (ANSI) | | | | | | | Sxx |
| psi/kPa (ANSI) | | | | | | | Vxx |
| kPa/psi (EN) | | | | | | | Wxx |
| mbar (EN) | | | | | | | Nxx |

(1) Available standard measuring ranges, see table in section Measuring ranges. For ranges not listed, please contact Bourdon.

Ordering example

| | MEX3 | - | D | 2 | 0 | . | B20 | / | 0133 |
|--------------------------------------|------|---|---|---|---|---|-----|---|------|
| Product | MEX3 | | | | | | | | |
| Case | | | | | | | | | |
| Case 1.4301 (304), bottom connection | | | | | | | D | | |
| Process connection | | | | | | | | | |
| G 1/4 | | | | | | | | 2 | |
| Damping fluid | | | | | | | | | |
| without | | | | | | | | | 0 |
| Measuring range | | | | | | | | | |
| 0 ... 6 bar (EN) | | | | | | | | | B20 |
| Type of housing | | | | | | | | | |
| Rolled housing | | | | | | | | | 0133 |

MEX3 (Crimped bezel)

Industrial pressure gauges

MEX3-###.###/

Options

| | | | |
|------------------------------------|------|--------------------------------------------|------|
| Rolled housing ⁽¹⁾ | 0133 | 2.2 Certificate | Q002 |
| ATEX II2GDc T6-IM2c ⁽²⁾ | 0078 | 3.1 Material certificate | Q003 |
| Laminated safety glass | 0751 | 3.1 Calibration certificate 5 pts (rising) | Q008 |
| Restrictor screw 0,3 mm | 0769 | 3.1 Calibration certificate 5 pts (EN837) | Q009 |
| 2.1 Certificate | Q001 | | |

(1) Mandatory option

(2) Only with laminated safety glass window