

MIT5

Utility pressure gauge with damping fluid



Product highlights

- For non-corrosive gasses and liquids
- Class 1.6 according to EN 837-1
- Case material: Stainless steel
- Wetted parts: Brass
- OEM applications
- Liquid-filled for applications with pulsations or vibrations

Technical data

Housing

| | |
|------------------------------|-----------------------------------|
| Nominal size | 100 mm |
| Case material | Stainless steel 1.4301 / AISI 304 |
| Bezel ring material | Stainless steel 1.4301 / AISI 304 |
| Window material | Polycarbonate |
| Protection rating (EN 60529) | IP65 |
| Dial | White, aluminium |
| Pointer | Black, aluminium |
| Movement material | Brass |

Temperature

| | |
|---------------------|-----------------|
| Ambient temperature | -10°C ... +70°C |
| Storage temperature | -10°C ... +70°C |
| Media temperature | -10°C ... +70°C |

Wetted parts

| | |
|-----------------------------|-------|
| Process connection material | Brass |
|-----------------------------|-------|

Wetted parts

| | |
|--------------|--------------|
| Bourdon tube | Copper alloy |
|--------------|--------------|

Performance

Accuracy according to Class 1.6 EN 837-1

Min. measuring range 0 ... 1 bar

Max. measuring range 0 ... 250 bar

Type of pressure

- Gauge
- Vacuum

Pressure limitation

- Steady: 75 % of full scale value
- Fluctuating: 60 % of full scale value
- Short time: 100 % of full scale value

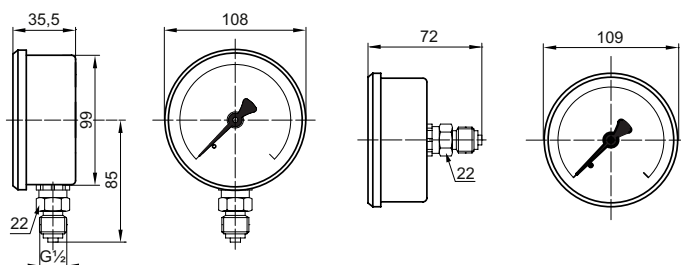
Temperature coefficient at +20°C

± 0.4 % FS/10K

Weight

| | |
|-------|--|
| Gauge | <ul style="list-style-type: none"> ■ 650 g unfilled ■ 750 g filled |
|-------|--|

Technical drawings



Type D

Type F

Ordering reference

Order key

| | MIT | 5 | - | D | 3 | x | . | Bxx |
|----------------------------|-----|---|---|---|---|---|---|-----|
| Product | MIT | | | | | | | |
| MIT Utility pressure gauge | | | | | | | | |
| Dimension | | | | | | | | |
| Nominal size 100 mm | | 5 | | | | | | |
| Case | | | | | | | | |
| Bottom connection | | | | D | | | | |
| Back connection | | | | F | | | | |
| Process connection | | | | | | | | |
| G 1/2 | | | | | 3 | | | |
| Damping fluid | | | | | | | | |
| Without damping fluid | | | | | | | | 0 |
| BH2, Glyzerin 99 % | | | | | | | | 2 |
| Measuring range | | | | | | | | |
| bar (EN) | | | | | | | | Bxx |

Pressure ranges

| Code | Bar |
|------|-----------|
| B59 | -1 ... 0 |
| 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 |

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Utility pressure gauge with damping fluid

Ordering reference

Ordering example

MIT 5 - D 3 2 . B22

Product

MIT Utility pressure gauge

Dimension

Nominal size 100 mm

Case

Bottom connection

Process connection

G 1/2

Damping fluid

BH2, Glyzerin 99 %

Measuring range

0...10 bar (EN)