

MTR Process control gauges

Ø 40 mm - Ø 50 mm

Process control gauge

From 0 + 2 bar (0 + 30 psi) to 0 + 11 bar (0 + 160 psi)

in 4 ranges

Triple graduations :

Bar, kg/cm² : black

psi : red

Model MTR process control gauge is convenient for measuring the relative pressure of all liquid or gaseous fluids up to 160 psi. It can be used on pneumatic valves, level controllers or transmitters, pressure regulators.



Specifications (20°C)

Ranges

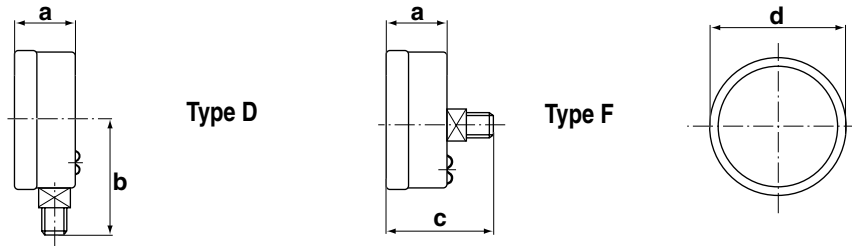
| bar or kg/cm ² | | | psi | | |
|---------------------------|---|----|-----|---|-----|
| 0 | + | 2 | 0 | + | 30 |
| 0 | + | 4 | 0 | + | 60 |
| 0 | + | 7 | 0 | + | 100 |
| 0 | + | 11 | 0 | + | 160 |

| | |
|------------------------------------|---|
| Standard accuracy | ± 1.6% full scale. |
| Standard degree protection | IP 32 according to NF EN 60 529. |
| Sensing element | BOURDON tube. |
| Parts in contact with fluid | Sensing element : cupreous metals Connection : Nickel plated brass Tube connection assembly : Tin-soldered. |
| Operating temperature | Process fluide temperature : + 80°C Ambient temperature : - 40°C to + 60° C (-40° F to + 140 °F). |
| Connection assembly | 14 mm square, 1/8 NPT or NPT threads. |
| Case and bezelring | Stainless steel. Bezelring crimped onto case. |
| Movement | Brass |
| Window | Glass |
| Dial | Aluminium alloy, red and black graduations on white background. |



Baumer

Dimensions (mm)



All dimensions in mm

| Dimensions | a | b | c | d |
|------------|----|----|----|----|
| 40 | 29 | 41 | 44 | 43 |
| 50 | 29 | 45 | 45 | 53 |

| Type | Weight (grammes) | |
|------|------------------|----|
| | D | F |
| 40 | 75 | 70 |
| 50 | 90 | 90 |

Codification - MTR

| | | MTRxxx0Bxx |
|-----------------------------------|----------------|------------|
| Family | 1' digit | |
| Pressure gauges | | M |
| Type | 2'...3' digit | |
| MTR | | TR |
| Dial diameter | 4' digit | |
| Ø 40 mm | | 1 |
| Ø 50 mm | | 2 |
| Type of mounting | 5' digit | |
| bottom connection | | D |
| back connection | | F |
| Hydraulic connection | 6' digit | |
| 1/4 NPT | | 5 |
| 1/8 NPT | | 4 |
| Type of liquid filling | 7' digit | |
| Without filling | | 0 |
| Unit of measurement ranges | 8' digit | |
| bar | | B |
| kg/cm ² | | F |
| psi | | H |
| Pressure range | 9'...10' digit | |
| See codes in table | | xx |

| code | Ranges bar | Ranges psi |
|-----------|------------|------------|
| 17 | 0 + 2 | 0 + 30 |
| 19 | 0 + 4 | 0 + 60 |
| 21 | 0 + 7 | 0 + 100 |
| 94 | 0 + 11 | 0 + 160 |

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