

# 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/cm<sup>2</sup> : 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.

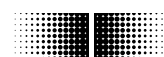


## Specifications (20°C)

### Ranges

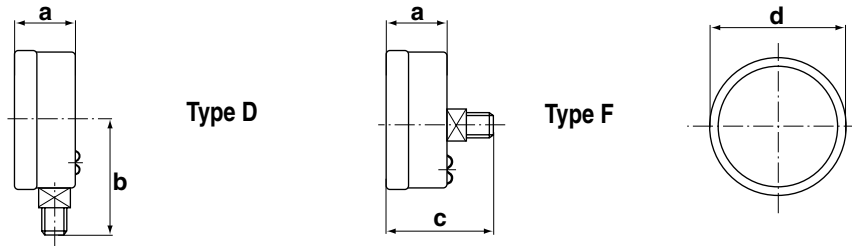
bar or kg/cm <sup>2</sup>			psi		
0	+	2	0	+	30
0	+	4	0	+	60
0	+	7	0	+	100
0	+	11	0	+	160

<b>Standard accuracy</b>	± 1.6% full scale.
<b>Standard degree protection</b>	IP 32 according to NF EN 60 529.
<b>Sensing element</b>	BOURDON tube.
<b>Parts in contact with fluid</b>	Sensing element : cupreous metals Connection : Nickel plated brass Tube connection assembly : Tin-soldered.
<b>Operating temperature</b>	Process fluide temperature : + 80°C Ambient temperature : - 40°C to + 60° C (-40° F to + 140 °F).
<b>Connection assembly</b>	14 mm square, 1/8 NPT or NPT threads.
<b>Case and bezelring</b>	Stainless steel. Bezelring crimped onto case.
<b>Movement</b>	Brass
<b>Window</b>	Glass
<b>Dial</b>	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
<b>Family</b>	1' digit	
Pressure gauges		M
<b>Type</b>	2'...3' digit	
MTR		TR
<b>Dial diameter</b>	4' digit	
Ø 40 mm		1
Ø 50 mm		2
<b>Type of mounting</b>	5' digit	
bottom connection		D
back connection		F
<b>Hydraulic connection</b>	6' digit	
1/4 NPT		5
1/8 NPT		4
<b>Type of liquid filling</b>	7' digit	
Without filling		0
<b>Unit of measurement ranges</b>	8' digit	
bar		B
kg/cm <sup>2</sup>		F
psi		H
<b>Pressure range</b>	9'...10' digit	
See codes in table		xx

code	Ranges bar	Ranges psi
<b>17</b>	0 + 2	0 + 30
<b>19</b>	0 + 4	0 + 60
<b>21</b>	0 + 7	0 + 100
<b>94</b>	0 + 11	0 + 160

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