

Bourdon tube pressure gauge, copper alloy, steel case

Models TS01.050(Back connection)

TS01.010(Bottom connection)

- For pneumatic and heating system applications
- Design per 837-1
- Robust steel or stainless steel housing
- Many customized versions available



Application Suitable for measuring low viscosity, non crystalline, and non corrosive copper alloys.

When measuring gases or vapors, they must comply with the safety usage regulations specified in EN837-2 standard.

Specifications Design

EN837-1

Nominal size in mm

40 , 50, 63, 80, 100

Accuracy Class (according to EN837-1)

Cl2.5: 40 , 50

Cl1.6: 63 , 80, 100

Measuring ranges

-1 ... 0bar to -1 ... 15bar

0 ... 0.6bar to 0 ... 400bar

Application area

Steady: 3/4 X full scale value

Dynamic load: 2/3 X full scale value

Short term: Fully scale value

Operating temperature range

Ambient: -20 +60°C

Medium: +60°C maximum

Temperature performance

When the temperature of the measuring system deviates from the reference temperature (+20°C): max. $\pm 0.4\%$ /10k of the span

Degree of protection

IP32 (EN 60529)

Standard Version**Process connection**

Copper alloy

NS 40 G1/8B -- SW 12

NS 50, 63 G1/4B -- SW14

NS 80, 100 bottom G1/2B – spanner size SW22

NS 80, 100 centre back G1/4B – spanner size SW14

Connection location

Bottom or centre back

Pressure element

Copper alloy

$\leq 60\text{bar}$ "C" type tube

$> 60\text{bar}$ helical tube

Movement

Copper alloy

Dial

Aluminium, white,

Dial marking black and red

Pointer

Aluminium, black

Case

Steel

Window

Clip-in plastic

Options

- Other process connection, the connection thread can be PT, NPT, BSPT etc.
- Special scales
- Reference pointer
- Stainless steel case
- Panel mounting bezel
- 3-hole fixing, Panel mounting bezel
- Other special versions

Order information

Model / Nominal size / Scale range / Process connection / Connection location / Options