

bourdon tube pressure gauges anti-vibration heavy duty version DS 4" (100mm)

MGS10



Instruments designed for use on power units, pumps, hydro-cleaning machines, presses, engine compressors, turbines, diesel engines, chemical, petrochemical and refrigerating plants and on machines and equipment where pulsating pressures or mechanical vibrations are apparent. They can be used with gaseous or liquid media which do not corrode copper alloy and which do not have high viscosity or do not cristalize.

1.10.1 - Standard Model

Design: EN 837-1.

Safety designation: S1 as per EN 837-2.

Ranges: from 0...15 to 0...15000 PSI (from 0...1 to 0...1000 bar or other equivalent units).

Accuracy class: 1,0 as per EN 837-1.

Ambient temperature: -13...+149 °F (-25...+65 °C)

Process fluid temperature:

-13...+149 °F (-25...+65 °C) for ranges ≤ 600 psi (40 bar);

-13...+248 °F (-25...+120 °C) per campi ≥ 600 psi (40 bar).

Thermal drift: $\pm 0,4$ % / 10 K of range (starting from 68°F - 20°C).

Working pressure:

100% of FSV for static pressure;

90% of FSV for pulsating pressure.

Overpressure limit: 30% of FSV (max 12 h).

Protection degree: IP 55 as per IEC 529.

Socket material:

copper alloy with internal restrictor $\varnothing 0.03$ " (0,8 mm).

Bourdon tube:

copper alloy for ranges ≤ 600 psi (40 bar);

AISI 316L st.st.for ranges > 600 psi (40 bar).

Case: stainless steel.

Ring: stainless steel, bayonet lock

Window: tempered glass

Movement: copper.

Dial: aluminium, white with black markings

Pointer: aluminium ,black

1.10.2 - Fillable Model

Protection degree: IP 67 as per IEC 529.

Other features: as Standard Model.

1.10.3 - Filled Model

Damping liquid: glycerine 98%, silicon oil or fluorinated fluid.

Ambient temperature:

+59...+149 °F (+15...+65 °C) with glycerine filling;

-49...+149 °F (-45...+65 °C) with silicon oil filling;

-76...+149 °F (-60...+65 °C) with fluorinated fluid filling.

Process fluid temperature: max +149°F (+65 °C).

Protection degree: IP 67 as per IEC 529.

Other features: as Standard Model

