

Bourdon Tube Pressure Gauges with Switch Contacts Models MBSA, Stainless Steel Version



Applications

- Control and regulation of industrial processes
- Monitoring of plant and switching of electric circuits
- For gaseous and liquid aggressive media that are not highly viscous or crystallising, also in aggressive ambience
- Process industries: chemical/petro-chemical, power stations, mining, on- and offshore, environmental technology, machine building and plant construction

Special Features

- High reliability and long service life
- Up to 4 switch contacts per instrument
- Also available with liquid-filled case for high dynamic pressure loads and vibration
- Gauges with inductive contacts for use in hazardous areas with ATEX approval
- Gauges with electronic contacts for PLC applications
- Gauges in safety pattern version S3 (S)

Description

Wherever the process pressure has to be indicated locally, and, at the same time, circuits are to be made or broken, the model MBSA switchGAUGE can be used.

Switch contacts (electrical alarm contacts) make or break an electric control circuit dependent upon the position of the instrument pointer. The alarm contacts are adjustable over the full extent of the scale range (see DIN 16 085), and are mounted predominantly below the dial, though also partly on top of the dial. The instrument pointer (actual value pointer) moves freely across the entire scale range, independent of the setting.

The set pointer can be adjusted using a detachable adjustment key in the window.



Pressure Gauge with Alarm Contact Model MBSA

Alarm contacts consisting of several contacts can also be set to a single setpoint. Contact actuation is made when the actual value pointer travels beyond or below the desired set value.

The pressure gauge is manufactured in accordance with EN 837-1 and fulfils all requirements of the relevant standards and regulations for the on-site display of the operating pressure of pressure vessels.

As switch contacts magnetic snap-action contacts, inductive contacts – for requirements to ATEX – or electronic contacts for triggering a PLC are available.

For further information on the different switch contacts please see data sheet EA801.