

Pressure gauges, AISI, Ø 100, with magnetic contacts

Série P501



- Deep polycarbonat cover
- Safe operating concept
- 1 or 2 contacts in gauge Ø 100

APPLICATIONS

In addition to the indication of the pressure by the gauge, the contacts allow to activate remote alarms.

DESCRIPTION

Contacts are mounted only on Ø 100 pressure gauges with stainless steel dry case.

The removable cover allows the installation of a block of contacts operated by the pointer of the gauge.

The contacts are mounted in front of the dial and are adjustable over the full range of the measuring scale (DIN 16085). Option: Mounting of contacts behind the dial with P502 series (see corresponding data-sheet).

The set points and their indicators are adjusted from outside the cover using a disengageable key. Two contacts of the same block can be set to the same threshold value. The contact is activated when the pointer passes above or below the set point.

The pointer moves freely through the entire range, regardless of settings.

Assembly on pressure gauge guard:

Mounting the pressure gauge on a gauge guard requires the use of a specific bench. BAMO may fill on its bench for you: gauge guard with pressure gauge, pressure switch or pressure transmitter. The degassed oil is filled in under vacuum to guarantee a good pressure transmission and therefore a good accuracy.

TECHNICAL FEATURES

Pressure gauges:

Type	Ø 100, stainless steel, dry case, polycarbonat cover
Class	1 to 2.5
Operating temperature	According to assembly
Storage temperature	-40 ... +65 °C
Measuring range	From 0 ... 2.5 bar up to 0 ... 25 bar

Magnetic contacts:

Rated working voltage	Max. 250 V
Switching current	Max. 1.0 A
Current load	Max. 0.6 A
Switching power	Max. 30 W
Contacts material	Ag 80 Ni 20
Switching accuracy	Magnetic contact: around ±2 ... 5% F.S.
Settings	Positioning of the indicator with the disengageable key.
Electrical connections	Removable connector on the front, with 2 meter long cable
Transparent cover	Deep polycarbonat window
Protection	IP 65

EC Conformity: The device meets the legal requirements of the current European Directives

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CONTACTS OPERATION

The contact opens or closes the electrical loop.

NC contact: A "Normally Closed" contact will open when the rising pressure passes over the set point (clockwise pointer movement)

NO contact: A "Normally Open" contact will close when the rising pressure passes over the set point.

CODE NUMBERS AND REFERENCES

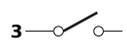
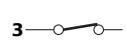
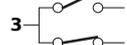
1/ Pressure gauges

Ordering information: For each system gauge + contact, select the code of the pressure gauge and add the block contact(s) to be mounted.

Code	Reference	Range	Fitting
812 804	P501 0-2,5	0... 2.5 bar	BSP-M 1/2"
812 805	P501 0-4	0... 4 bar	BSP-M 1/2"
812 806	P501 0-6	0... 6 bar	BSP-M 1/2"
812 807	P501 0-10	0... 10 bar	BSP-M 1/2"
812 808	P501 0-16	0... 16 bar	BSP-M 1/2"
812 809	P501 0-25	0... 25 bar	BSP-M 1/2"

2/ Block contact(s)

Pic. 1, 2, 4, 5, 6 and 7 : The contact is closed when the pointer is located in the thick sector(s) of the scale.

816 510	1 x NO NO contact	1 	Brown 3 —  Blue
816 511	1 x NC NC contact	2 	Brown 3 —  Blue
816 514	2 x NO 1st contact: NO 2nd contact: NO contact	4 	Brown 3 —  Black Blue
816 512	1 x NO + 1 x NC 1st contact: NO contact 2nd contact: NC	5 	Brown 3 —  Blue Black
816 513	1 x NC + 1 x NO 1st contact: NC 2nd contact: NO	6 	Brown 3 —  Blue Black
816 515	2 x NC 1st contact: NC 2nd contact: NC	7 	Brown 3 —  Blue Black

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