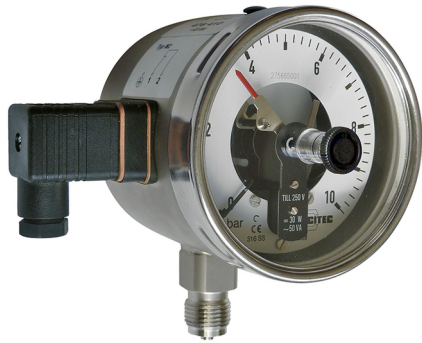


# Pressure gauges with electrical contacts, stainless steel hood 5600 Series



- All Stainless Steel
- DIN 43650
- 1 or 2 contacts for pressure gauge Ø 100
- Dry or filled (7470-7570 Series)
- Atex in option

## APPLICATIONS

With alarm contacts in direct connection with the pressure gauge needle, in addition to the local indication :

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## DESCRIPTION

The contacts are mounted under the pressure gauge dial and are adjustable over the full range of the measuring scale (DIN 16085). The needle indicating the measurement moves freely over the entire range, regardless of the setting. The setpoint indicator can be adjusted in the sight glass with a removable key. Contact blocks, made up of several contacts, can also be set to an identical threshold value. The contact is activated when the needle passes, below or above the set point.

The term "Stainless steel hood" simply means that the bayonet has been extended.

## TYPES OF CONTACTS

### Magnetic snap-action contact :

An additional magnet is installed to increase the contact force, hence its use is recommended for an environment with vibrations or shaking. This contact allows higher switching power than the dry contact. On the other hand, the switching deviation from the set point is increased.

## TECHNICAL DETAILS

<b>Pressure range</b>	-1 to 600 bar
<b>Minimal pressure range</b>	1 bar
<b>Pressure gauge used</b>	Ø 100, all stainless steel
	Dry or filled : 7470-7570 Series (Doc. 806-36)
<b>Accuracy class</b>	1 to 2,5 according to pointer/contacts position
<b>Low-action contact</b>	250 V / 0,6 A / 18 VA
<b>Switching accuracy</b>	±2 to 5 % F.S.
<b>Set point adjustment</b>	Set pointer adjusted by key
<b>Electrical connection</b>	DIN 43650, plug supplied
<b>Bezel</b>	AISI 304
<b>Filling liquid</b>	Silicon oil
<b>Protection</b>	IP 65

### Operating temperature :

<b>Ambient</b>	-20...+100 °C (dry) / -10...+60 °C (filled)
<b>Process</b>	-20...+150 °C (dry) / -10...+70 °C (filled)

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



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contacts, stainless steel hood

**5600 Series**

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## DIAPHRAGM SEALS MOUNTING

The instrument-diaphragm seals assembly can't be assembly by the user, because special assembly requiring evacuation and filling with oil must be carried out. To place an order, you must indicate the references of the instrument and the separator to be mounted. CITEC installs all types of separators on pressure gauges, pressure switches and pressure transmitters.



## DIAGRAMS MEANING

The electrical contact activates the opening or closing of an electrical circuit.  
 A "Normally Closed" (NC) contact opens a circuit with rising pressure (needle movement clockwise)  
 A "Normally Open" (NO) contact closes a circuit with rising pressure.

## CONTACT BLOCK REFERENCES

Diagrams 1 to 7 : The contact is closed when the needle is located in the thick sector(s) of the measuring zone.

Diagram	Function	1 contact with magnet block for pressure gauge Ø 100	Diagram	Functions	2 contacts with magnet block for pressure gauge Ø 100
1 	<b>Maxi - 1 NO</b> Contact closing	437 200	4 	<b>Maxi / Maxi - 2 NO</b> 1st contact closing 2nd contact closing	437 220
2 	<b>Mini - 1 NF</b> Contact opening	437 205	5 	<b>Maxi / Mini - 1 NO + 1 NF</b> 1st contact closing 2nd contact opening	437 225
3 	<b>1 NO + 1 NF</b> Changeover	437 210	6 	<b>Mini / Maxi - 1 NF + 1 NO</b> 1st contact opening 2nd contact closing	437 230
			7 	<b>Mini / Mini - 2 NF</b> 1st contact opening 2nd contact opening	437 235

To define each contact pressure gauge ref, identify the reference of the pressure gauge to be equipped with contacts, Ø 100, 7470 Series all stainless steel, Ø 100 (Doc 806-36), or Filled pressure gauges : 7970B Series, Ø 100 (Doc 806-35) :

Replace the first 3 digits of the reference of the pressure gauge to be equipped with contact :

- For a dry model, the reference 468 xxx will become 478 xxx
- For a filled model, the reference 469 xxx will become 479 xxx

Then, add at the end of the pressure gauge reference, the reference of the contact kit to be fitted.

Example : 478410 + 437210 dry pressure gauge (7470 Serie) or 479410 + 437210 filled pressure gauge (7570 Series).



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