

All stainless steel pressure gauges, CITEC 7870B-7970B Series, are designed for chemical, petrochemical, pharmaceutical, food industries.

# Pressure gauges all stainless steel 7870B dry - 7970B filled

Ø 63, 100, 150, watertight and fillable case

## Product specifications

. Pressure range	-1 to 1000 bar	
. Accuracy class	1 for Ø 100 et 150, 1.6 for Ø 63	
. Pressure element	≤ 40 bar: AISI 316 stainless steel C tube, argon welding ≥ 60 bar: AISI 316 stainless steel helical tube, argon welding	
. Movement	stainless steel	
. Case	AISI 304 stainless steel with blow-out	
. Pointer	black aluminium	
. Bezel	AISI 304 stainless steel, bayonet ring	
. Window	safety glass	
. Socket, connection	AISI 316 stainless steel, welded on the case G 1/4 or G 1/2 according to Ø or NPT	
. Dial	white aluminium, black lettering	
. Dimensions, scale	see dimensions page	
. Protection	IP 65	
. Filling liquid	glycerin	
. Operating temperature	dry	filled
	ambient : -40°C to 100°C	-20°C to 80°C
	medium : -40°C to 200°C	-20°C to 70°C



## Order codes

7871B Model (dry) - 7971B Model (filled), bottom connection

Measuring range	Ø 63 G 1/4		Ø 100 G 1/2		Ø 150 G 1/2	
	dry	filled	dry	filled	dry	filled
-1 0 bar	478 000B	479 000B	478 340B	479 340B	478 680B	479 680B
-1 1,5 bar	478 002B	479 002B	478 345B	479 345B	478 685B	479 685B
-1 3 bar	478 004B	479 004B	478 346B	479 346B	478 686B	479 686B
-1 5 bar	478 006B	479 006B	478 347B	479 347B	478 687B	479 687B
-1 9 bar	478 010B	479 010B	478 348B	479 348B	478 688B	479 688B
-1 15 bar	478 015B	479 015B	478 349B	479 349B	478 689B	479 689B
-1 24 bar	478 017B	479 017B	478 343B	479 343B	478 683B	479 683B
0 0,6 bar			478 350B	479 350B	478 690B	479 690B
0 1 bar	478 020B	479 020B	478 360B	479 360B	478 700B	479 700B
0 1,6 bar	478 030B	479 030B	478 370B	479 370B	478 710B	479 710B
0 2,5 bar	478 040B	479 040B	478 380B	479 380B	478 720B	479 720B
0 4 bar	478 050B	479 050B	478 390B	479 390B	478 730B	479 730B
0 6 bar	478 060B	479 060B	478 400B	479 400B	478 740B	479 740B
0 10 bar	478 070B	479 070B	478 410B	479 410B	478 750B	479 750B
0 16 bar	478 080B	479 080B	478 420B	479 420B	478 760B	479 760B
0 25 bar	478 090B	479 090B	478 430B	479 430B	478 770B	479 770B
0 40 bar	478 100B	479 100B	478 440B	479 440B	478 780B	479 780B
0 60 bar	478 110B	479 110B	478 450B	479 450B	478 790B	479 790B
0 100 bar	478 120B	479 120B	478 460B	479 460B	478 800B	479 800B
0 160 bar	478 130B	479 130B	478 470B	479 470B	478 810B	479 810B
0 250 bar	478 140B	479 140B	478 480B	479 480B	478 820B	479 820B
0 315 bar	478 145B	479 145B	478 485B	479 485B	478 825B	479 825B
0 400 bar	478 150B	479 150B	478 490B	479 490B	478 830B	479 830B
0 600 bar			478 500B	479 500B	478 840B	479 840B
0 1000 bar			478 502B	479 502B	478 842B	479 842B

**NPT thread**  
Add **N** at the end of the order code

**Options**  
. See next page

## Order codes



**Type 7874 (dry)**  
**7974 (filled) Ø63**



**Type 7875 (dry)**  
**7975 (filled)**  
**Ø 100, 150**

Etendue de mesure	Ø 63 G 1/4		Ø 100 G 1/2		Ø 150 G 1/2	
	dry	filled	dry	filled	dry	à bain
-1 0 bar	478 170B	479 170B	478 510B	479 510B	478 850B	479 850B
-1 1,5 bar	478 172B	479 172B	478 515B	479 515B	478 855B	479 855B
-1 3 bar	478 174B	479 174B	478 516B	479 516B	478 856B	479 856B
-1 5 bar	478 176B	479 176B	478 517B	479 517B	478 857B	479 857B
-1 9 bar	478 178B	479 178B	478 518B	479 518B	478 858B	479 858B
-1 15 bar	478 179B	479 179B	478 519B	479 519B	478 859B	479 859B
-1 24 bar	478 181B	479 181B	478 513B	479 513B	478 853B	479 853B
0 0,6 bar			478 520B	479 520B	478 860B	479 860B
0 1 bar	478 190B	479 190B	478 530B	479 530B	478 870B	479 870B
0 1,6 bar	478 200B	479 200B	478 540B	479 540B	478 880B	479 880B
0 2,5 bar	478 210B	479 210B	478 550B	479 550B	478 890B	479 890B
0 4 bar	478 220B	479 220B	478 560B	479 560B	478 900B	479 900B
0 6 bar	478 230B	479 230B	478 570B	479 570B	478 910B	479 910B
0 10 bar	478 240B	479 240B	478 580B	479 580B	478 920B	479 920B
0 16 bar	478 250B	479 250B	478 590B	479 590B	478 930B	479 930B
0 25 bar	478 260B	479 260B	478 600B	479 600B	478 940B	479 940B
0 40 bar	478 270B	479 270B	478 610B	479 610B	478 950B	479 950B
0 60 bar	478 280B	479 280B	478 620B	479 620B	478 960B	479 960B
0 100 bar	478 290B	479 290B	478 630B	479 630B	478 970B	479 970B
0 160 bar	478 300B	479 300B	478 640B	479 640B	478 980B	479 975B
0 250 bar	478 310B	479 310B	478 650B	479 650B	478 985B	479 980B
0 315 bar	478 315B	479 315B	478 655B	479 655B	478 982B	479 982B
0 400 bar	478 320B	479 320B	478 660B	479 660B	478 990B	479 985B
0 600 bar			478 670B	479 670B	478 995B	479 990B
0 1000 bar			478 672B	479 672B	478 992B	479 992B

**NPT thread**, add **N** at the end of the order code

## With flange



**Bottom connection, back flange**  
**7872 - 7972 Model**



**Back connection, front flange**  
**7878 - 7978 Model**

1- select 7871-7971 or 7875-7975 Model order code

2- replace order code 47x xxxB by **48x xxxB**

### Example

The order code of 7871, Ø 63, G1/4, 0-10 bar : 478 070B becomes in 7872 (back flange) : 488 070B

The order code of 7875, Ø 63, G1/4, 0-10 bar : 478 240B becomes in 7878 (front flange) : 488 240B

## Options

. bar/psi scale, add **P** at the end of the order code, add **K** for kg/cm<sup>2</sup> or **H** for mmH<sub>2</sub>O

. **NPT** thread, add **N** at the end of the order code

. **NPT** thread + **bar/psi** scale, add **T** at the end of the order code

. 3/8 thread, add **U** at the end of the order code

. **Polycarbonate** window, add **C** at the end of the order code

. **Cleaning for oxygen** for dry pressure gauge, add **X** at the end of the order code

. Pneumatic receivers :

0.2-1 bar,

. Diaphragm seals mounting : see diaphragm seals chapter