

ME7 Manometer for highly excessive pressures

Ø 150 mm

Bellows pressure gauges

For corrosive process fluids and atmospheres

Watertight, can be filled with dampening fluid



The **ME** pressure gauge enables measurement of gauge pressures with high overpressures (from 0...0.06 bar to 0...10 bar).

Specifications (20°C)

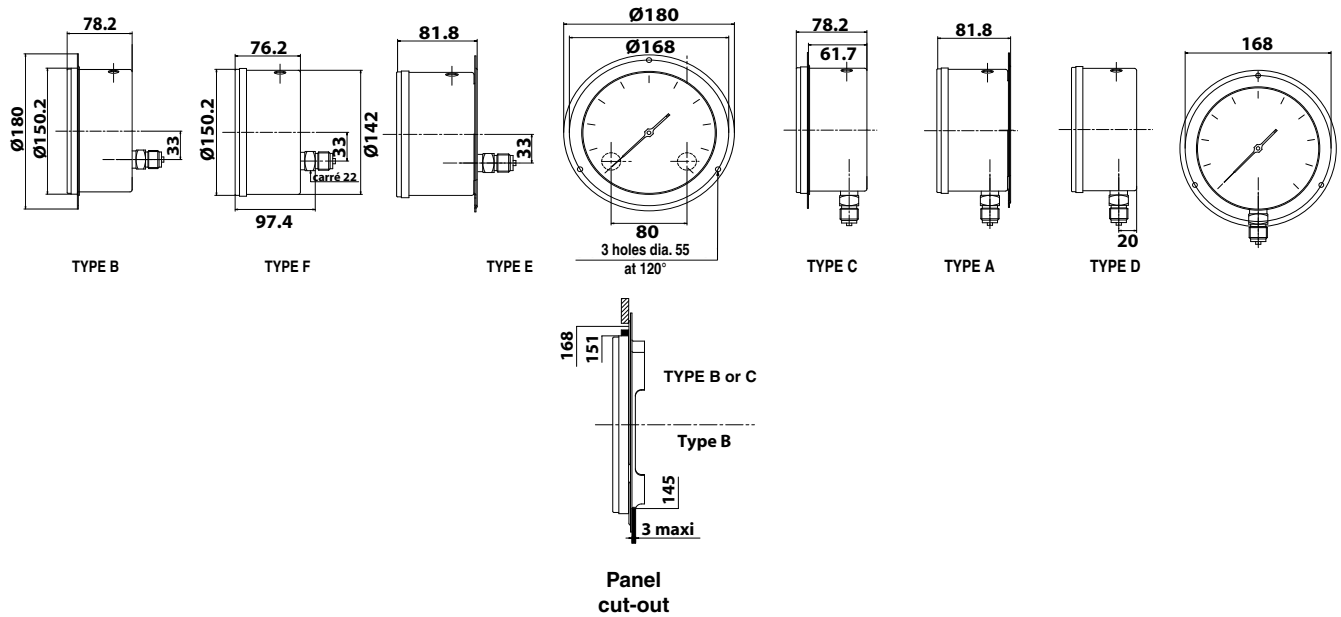
Ranges	See tables overleaf.
Accuracy	± 2% full scale for st. graduations and accuracy (see table overleaf) BH version: Degradation of the accuracy of 1%
Protection rating	IP 65 according to EN 60529.
Sensing element	Two 1.4404 (AISI 316 L) stainless steel bellows. Balance effect by high tensile leaf spring ; mechanical start and end-of-travel stops to withstand full static pressure.
Connections and parts in contact with process fluid	1.4401 (AISI 316 L) stainless steel. G 1/2 or 1/2 NPT threads
Gauge working temperature	-20...70° C The gauge may be used on fluid temperatures up to 200°C providing that the gauge tempera- ture does not exceed 70°C.
Case and Bezel ring	1.4301 (AISI 304) stainless steel. Bayonet lock type.
Window	Glass, 3 mm thick.
Window gasket	Elastomer, ensures a tight seal between glass window and case.
Movement	All stainless steel.
Dial	Aluminium alloy, black figures and graduations on white background.
Pointer	Aluminium alloy, balanced, black painted.
Blow-out disc	Elastomer. Positioned on the top of the pressure gauge. Ensures pressure balance with atmosphere. Blows out when pressure inside the case exceeds 0.6 bar (10 psi).
Weight	1.6 kg ("dry" gauge) 2.5 kg (filled with dampening liquid)

Options

Adjustable index pointer with polycarbonate window	Code 0052
Polyethacrylate glass (plexiglass)	Code 0752
Safety laminated glass	Code 0751
Hardened glass	Code 0756
Oxygen Application	Code 0765
Laboratory cleanliness	Code 0835
or nuclear cleanliness	Code 0838
Micrometric pointer*	Code 0678
Pointer adjustable by friction*	Code 0679
Version ATEX CE II 2 GDc - I M2c avec voyant triplex.	Code 0078
Threads smaller than or equal to G1/2	

* *except reduced scales*

Dimensions (mm) - Types of mounting



Ordering details - ME7

		ME7xxxxxx
Family	1' digit	M
Pressure gauges		
Type	2' digit	E
ME		
Dial diameter	3' digit	7
Ø 150 mm		
Type of mounting* and connections position	4' digit	A B C D E F
bottom connection, 3 fixing brackets rear		A
back connection, front flange		B
bottom connection, front flange		C
bottom connection		D
back connection, 3 fixing brackets rear		E
back connection		F
* Option Stainless steel 1.4404 (316L) change A with 1, B with 2, C with 3, D with 4, E with 5 and F with 6		
Pressure connection	5' digit	3 6
G 1/2		3
1/2 NPT		6
Type of liquid filling	6' digit	0 1 2 3 4 5 7
Without		0
BH1 filling (low viscosity glycerin)		1
BH2 filling (high viscosity glycerin)		2
BH3 filling (standard silicone oil)		3
BH4 filling (low temperature silicone oil)		4
BH5 filling (fluorinated oil)*		5
BH7 filling (oil compatible with freezing fluids)		7
* Only with pressure gauge oxygen degreased (P max. 160 bar)		
Unit of measurement	7' digit	B D F H
bar		B
kPa		D
kg/cm ²		F
psi		H
Pressure range	8' ...9' digit	xx
See codes in table		
Overpressure (bar)	10' digit	x
See codes in table		

Choose an excess pressure scaling as a function of relative pressure (ME) and the maximum excess pressure that the apparatus can sustain.

ME		Overpressure											
Code	Gauge pressure	0,6	1	1,6	2,5	4	6	10	16	25	40	60	100
07	0 + 0.06	⊗	⊗	●	●								
08	0 + 0.1	⊗	⊗	●	●								
09	0 + 0.16	*	*	*	*	⊗	⊗						
10	0 + 0.25	*	*	*	*	*	⊗	⊗	●				
11	0 + 0.4	*	*	*	*	*	*	⊗	⊗				
12	0 + 0.6	*	*	*	*	*	*	*	⊗				
15	0 + 1	*	*	*	*	*	*	*	*				
16	0 + 1.6	*	*	*	*	*	*	*	*	*			
18	0 + 2.5	*	*	*	*	*	*	*	*	⊗	⊗		
19	0 + 4	*	*	*	*	*	*	*	*	*	*		
20	0 + 6	*	*	*	*	*	*	*	*	*	*		
22	0 + 10	*	*	*	*	*	*	*	*	*	*	*	*
Code		A	C	D	E	F	G	H	J	K	L	M	N

* Graduations on 270°
Standard accuracy ± 2 %

⊗ Standard accuracy
≤ 4 % on 270°

● Scale < 270°
Standard accuracy ≤ 4 %

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