MIX7 - MIM7 Industrial pressure gauges

Can be used in corrosive gases and liquids that are not crystallizing

Accuracy Class 1

Wide varieties of pressure ranges, connection types and engineering units

Without or with dampening fluid

Bourdon tube stainless steel (MIX) or monel (MIM)

Conform to EN 837-1 standard

Approval Lloyd's Register

Gauges of the MIX series have been specifically designed to fulfil the requirements of aggressive environments and fluids.
Both internal and external parts are made in stainless steel.
Typical industries serviced by this type of gauges : Chemical, petroche mical, utilities, energy generation, metal transformation, food processing biotechnology, Nuclear.

Technical Data (20 °C)

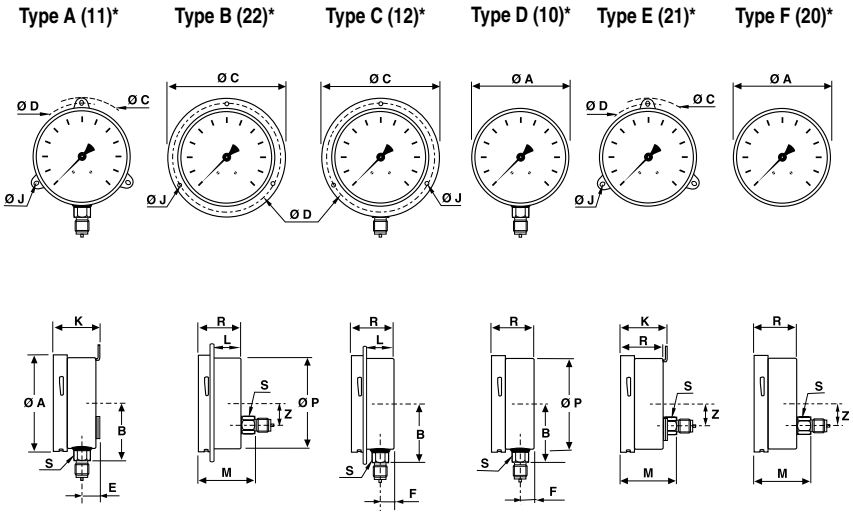
Nominal size	150 mm	
Measurement range	**MIX**	1 ... 0 to 0 ... 1600 bar
	MIM	-1 ... 0 to 0 ... 600 bar
Working pressure (-1 ≤ P ≤ 600 bar)	Steady:	100% F.S.
	Fluctuating:	90% F.S.
	Short time:	130% F.S.
(P ≥ 1000 bar) only MIX	Steady:	75% F.S.
	Fluctuating:	60% F.S.
	Short time:	100% F.S.
Accuracy class	1	
Protection rating	IP 65 (EN 60529)	
Process connection		
Type	G1/4, 1/4NPT, G1/2, 1/2 NPT, M20x1.5	
Matière	**MIX** : St. steel 1.4404 (AISI 316L) **MIM** : Monel 400	
Case	St. steel 1.4301 (AISI 304) (Option 1.4404)	
Bezel ring	St. steel 1.4301 (AISI 304) (Option 1.4404)	
Bourdon tube	**MIX** : St. steel 1.4404 (AISI 316L) **MIM** : Monel 400	
Movement	St. steel	
Window	Instrument glass	
Window gasket	Elastomer	
Dial	Aluminium	
Pointer	Aluminium	
Temperature	Ambient	-20 ... +70 °C
	Process	-40 ... +200 °C (not filled)
	Process	-20 ... +70 °C (filled BH1) (The gauge temperature does not exceed +70 °C)
	Storage	-40 ... +70 °C
	Drift	± 0.4% FS/10 °C
Safety	S1 Pressure gauge with blow-out device	

Options

Accuracy class	0.5	P > 1 bar	***Code 0843***
	0.6	P > 1 bar	***Code 0840***
Version Ex (ATEX II2 GDc-IM2c) (Included option code 0751)			***Code 0078***
Safety laminated glass in Triplex			***Code 0751***
Polycarbonate window			***Code 0753***
Blow out disc at the back			***Code 0760***
Oxygen application			***Code 0765***
Restrictor screw Ø 0.5			***Code 0771***
St. steel 1.4404 (AISI 316L) solid drawn Bourdon tube			***Code 0816***
Micro metric pointer (P ≥ 1.6 bar)			***Code 0678***
Friction pointer			***Code 0679***
Material certificate EN10204 3.1			***Code Q1229***
Calibration certificate EN837-1 (5 points raising and 5 points falling)			***Code Q1070***
Lloyd's Register approval			***Code 0827***

Baumer

Dimensions - Types of mounting



	[mm]
A	150.2
B	85
C	180
D	168
E	25.5
F	23.5
J	5.5
K	56.5
L	37.5
M	68.5
P	142
R	54.5
S	22
W	152
X	151
Y1	145
Y2	143
Z	31.5

	Weight in kg - type D	
Ø mm	Dry	Filled
150	0.880	1.700

(*according to EN837-1)

Ordering Details - MIX7 - MIM7

		MIX7xxxxxx
Model	**1´... 3´ digit**	
All Stainless steel Pressure Gauge		MIX
Pressure gauge with monel Bourdon tube (1)		MIM
Nominal size	**4´ digit**	
150 mm		7
Type of mounting	**5´ digit**	
Stainless steel case and bezel ring 1.4301 (standard)		
Bottom connection, 3 back lugs fixing		A
Back connection, front flange, 3 mounting holes		B
Bottom connection, front flange		C
Bottom connection		▸ **D**
Back connection, 3 back lugs fixing		E
Back connection		▸ **F**
Stainless steel case and bezel ring 1.4404 (AISI 316L)		
Bottom connection, 3 back lugs fixing		1
Back connection, front flange, 3 mounting holes		2
Bottom connection, front flange		3
Bottom connection		4
Back connection, 3 back lugs fixing		5
Back connection		6
Process connection	**6´ digit**	
G1/4		2
G1/2		▸ **3**
1/4 NPT		5
1/2NPT		▸ **6**
M20x1.50		9
Liquid filling	**7´digit**	
Dry		▸ **0**
BH1 (glycerin/water) (-20 ... +70°C)		1
BH2 (glycerin) (+10 ... +90°C) *(except 0.6 bar)*		2
BH3 (silicone) (-40 ... +100°C)		3
BH4 (silicone) (-60 ... +100°C)		4
BH5 (oxygen 160 bar max) (-15 ... +100°C)		5
Unit of measurement	**8´ digit**	
bar		▸ **B**
kPa		▸ **D**
kg/cm²		▸ **F**
psi		▸ **H**
Pressure ranges	**9´ ... 10´ digit**	
See table		xx

(▸ Standard version)

code	bar	kPa	code	Psi
58	-0.6+ 0	-60 + 0	**58**	
59	-1 + 0	-100 + 0	**59**	-30"Hg+ 0
72	-1 + 0.6	-100 + 60	**73**	-30"Hg+ 15
74	-1 + 1.5	-100 + 150	**75**	-30"Hg+ 30
76	-1 + 3	-100 + 300	**2C**	-30"Hg+ 60
77	-1 + 5	-100 + 500	**78**	-30"Hg+ 100
79	-1 + 9	-100 + 900	**79**	-30"Hg+ 150
81	-1 + 15	-100 + 1500	**81**	
82	-1 + 24	-100 + 2400	**82**	-30"Hg+ 300
11	0 + 0.4	0 + 40	**11**	0 + 6
12	0 + 0.6	0 + 60	**13**	0 + 10
15	0 + 1	0 + 100	**15**	0 + 15
16	0 + 1.6	0 + 160	**1C**	0 + 20
18	0 + 2.5	0 + 250	**17**	0 + 30
19	0 + 4	0 + 400	**19**	0 + 60
20	0 + 6	0 + 600	**21**	0 + 100
22	0 + 10	0 + 1000	**22**	0 + 160
24	0 + 16	0 + 1600	**23**	0 + 200
26	0 + 25	0 + 2500	**25**	0 + 300
27	0 + 40	0 + 4000	**26**	0 + 400
29	0 + 60	0 + 6000	**27**	0 + 600
31	0 + 100	0 + 10000	**30**	0 + 1000
33	0 + 160	0 + 16000	**31**	0 + 1500
35	0 + 250	0 + 25000	**34**	0 + 3000
38	0 + 400	0 + 40000	**38**	0 + 6000
39	0 + 600	0 + 60000	**40**	0 +10000
41	0 +1000	0 + 100000	**41**	0 +15000
42	0 +1600	0 + 160000	**1D**	0 +20000

(1) Monel version (MIM) is not available in codes 58, 41, 42, 1D