

MX3B

Bourdon tube pressure gauges

Technical Data Sheet



Description

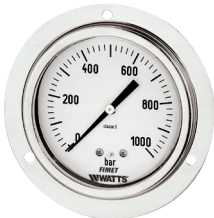
Dry - back entry 3-hole front flange for panel mounting. For special industrial applications, chemical, food and shipbuilding industries.



MX3B-63

DN63 pressure gauges.

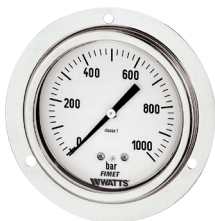
Part No	Pressure Range	Connection	Options*	Box/Master	Min. order
	vacuum+low bar	G1/4B	LF	1/1	1
	medium bar	G1/4B	LF	1/1	1
	high bar	G1/4B	LF	1/1	1
	400/over bar	G1/4B	LF	1/1	1



MX3B-100

DN100 pressure gauges.

Part No	Pressure Range	Connection	Options*	Box/Master	Min. order
	vacuum+low bar	G1/2B	LF	1/1	1
	medium bar	G1/2B	LF	1/1	1
	high bar	G1/2B	LF	1/1	1
	400/over bar	G1/2B	LF	1/1	1



MX3B-160

DN160 pressure gauges.

Part No	Pressure Range	Connection	Options*	Box/Master	Min. order
	vacuum+low bar	G1/2B	LF	1/1	1
	medium bar	G1/2B	LF	1/1	1
	high bar	G1/2B	LF	1/1	1
	400/over bar	G1/2B	LF	1/1	1

*Options included

LF = Fimet Watts logo on the dial

Customizations per minimum order quantity

Customizations	Model
Test Certificate (max 600 bar)	MX3B-63/100/160
Atex Certificate	MX3B-63/100/160
QX = Special sections dial	MX3B-63/100/160

QX - Scale range on dial

Range mbar	No of division	Scale interval
-1-0	0.02	50
-1 +0.6	0.02	80
-1+1.5	0.05	50
-1+3	0.1	40
-1+5	0.1	60
-1+9	0.2	50
-1+15	0.2	80

Range Low	No of division	Scale interval
0- 0.6	0.01	60
0-1	0.02	50
0- 1.6	0.02	80

Range Medium	No of division	Scale interval
0-2.5	0.05	50
0-4	0.1	40
0 - 6	0.1	60
0 - 10	0.2	50
0 - 16	0.2	80
0 - 25	0.5	50
0 - 40	1	40

Range High	No of division	Scale interval
0 - 60	1	60
0 - 100	2	50
0 - 160	2	80
0 - 250	5	50
0 - 400	10	40
0 - 600	10	60
0 - 1000	20	50
0 - 1600*	50	32

* Available only DN160

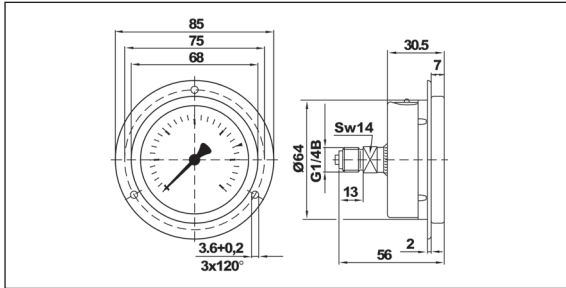
Features

Materials	
Case	Stainless steel with pressure relief device AISI 304 with adjustment hole
3-hole front flange	Stainless steel AISI 304
Window	Safety glass
Dial	White aluminium, black scale and graduation
Pointer	Aluminium, black
Pressure connection	Stainless steel AISI 316L
Pressure element	Bourdon tube stainless AISI 316L ≤ 60 bar circle > 60 bar helical
Movement	Stainless steel

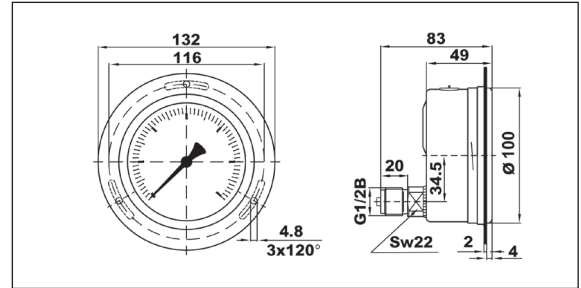
Technical features	DN63	DN100-160
Design	EN 837-1	EN 837-1
Working pressure	Steady: 75% of full scale value Fluctuating: 60% of full scale value Short time: full scale value	Steady: 75% of full scale value Fluctuating: 60% of full scale value Short time: full scale value
Temperature limits	Ambient: -20 ... +60 °C; Medium: +150 °C maximum Storage: -20 ... +60 °C	Ambient: -20 ... +60 °C; Medium: +150 °C maximum Storage: -20 ... +60 °C
Temperature effect	Deviation from reference temperature (+20°C): ±0,04%/1K of the span	Deviation from reference temperature (+20°C): ±0,04%/1K of the span
Accuracy class	cl. 1.6	cl. 1.0
Degree of protection	IP 65	IP 65
Individual weight:		
MX3B-63	0.200 kg	0.200 kg
MX3B-100	0.700 kg	0.700 kg
MX3B-160	1.300 kg	1.300 kg

Overall dimensions (mm)

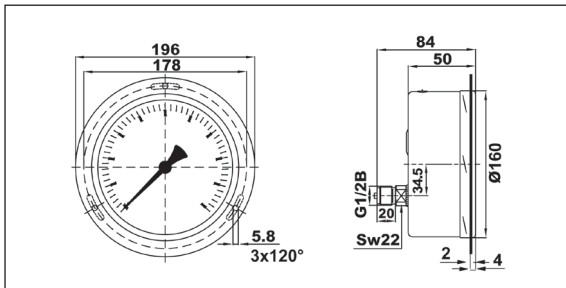
MX3B-63



MX3B-100



MX3B-160



Specification text

Bourdon tube **all stainless steel** pressure gauge **MX3B Series**, Watts Brand, for special industrial applications, chemical, food and shipbuilding industries. **DRY all stainless steel** DN 63-100-160 mm, **lower back connection 3-hole front flange for panel mounting**, Vacuum measures range -1/0 at high pressure up to 1000 bar (DN 63-100). Vacuum measures range -1/0 at high pressure up to 1600 bar (DN160). Temperature limits +150°C. Accuracy class 1.6 (DN 63) – 1.0 (DN 100-160).

Compliant with EN 837-1



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