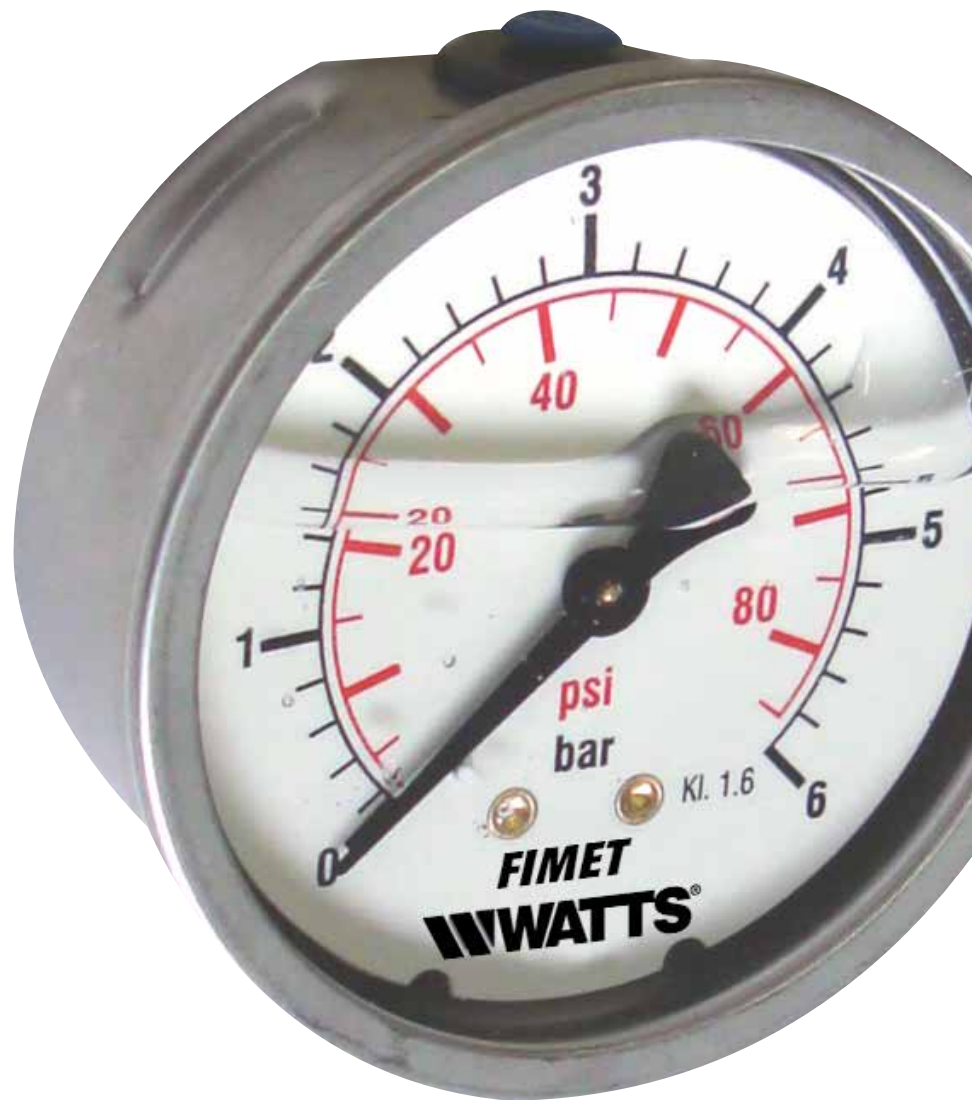


# MG3A-INOX

Bourdon tube pressure gauges

## Technical Data Sheet



## Description

Glycerine filled stainless steel case centre back entry. For pneumatic industry, gases and liquids not viscous, not aggressive and not crystallising.

### MG3A-INOX 50

DN50 pressure gauges.



Part No	Pressure Range	Connection	Options*	Box/Master	Min. order
	0-2.5 bar/psi	G1/4B		50/50	50
PZ7N2504DJ00	0-4 bar/psi	G1/4B	D+C	50/50	50
PZ7N2506DJ00	0-6 bar/psi	G1/4B	D+C	50/50	50
PZ7N2510DJ01	0-10 bar/psi	G1/4B	D+C+LF	50/50	50
PZ7N2512DJ00	0-12 bar/psi	G1/4B	D+C+Z	50/50	50
PZ7N2516DJ00	0-16 bar/psi	G1/4B	D+Z0	50/50	50
	0-20 bar/psi	G1/4B		50/50	50
PZ7N2525DJ00	0-25 bar/psi	G1/4B	D+C	50/50	50
	0-40 bar/psi	G1/4B		50/50	50
	0-60 bar/psi	G1/4B		50/50	50
	0-100 bar/psi	G1/4B		50/50	50
	0-160 bar/psi	G1/4B		50/50	50
PZ7N2660DJ00	0-250 bar/psi	G1/4B	D	50/50	50
PZ7N2662DJ00	0-315 bar/psi	G1/4B	D+C+Z	50/50	50
PZ7N2666DJ00	0-400 bar/psi	G1/4B	D+C+Z	50/50	50
	0-600 bar/psi	G1/4B		50/50	50

### MG3A-INOX 63

DN63 pressure gauges.



Part No	Pressure Range	Connection	Options*	Box/Master	Min. order
	-76-0 cm Hg	G1/4B		50/50	50
PF309914LF	-1/0 bar/in Hg	G1/4B	D+LF	50/50	5
	-1/0.6 bar/psi	G1/4B		50/50	50
PF3403DJ00	-1+1.5 bar/in hg	G1/4B	D	50/50	50
PF3504BJ01	-1+3 bar	G1/4B		50/50	50
PF3406BJ00	-1+5 bar	G1/4B		50/50	50
	-1+9 bar	G1/4B		50/50	50
	-1+15 bar	G1/4B		50/50	50
PF340114LF	0-1 bar/psi	G1/4B	D+LF	50/50	50
PF340214LF	0-1.6 bar/psi	G1/4B	D+LF	50/50	50
PF350314LF	0-2.5 bar/psi	G1/4B	D+LF	50/50	5
PF350414LF	0-4 bar/psi	G1/4B	D+LF	50/50	5
PF350614LF	0-6 bar/psi	G1/4B	D+LF	50/50	5
PF351014LF	0-10 bar/psi	G1/4B	D+LF	50/50	5
PF351214LF	0-12 bar/psi	G1/4B	D+LF	50/50	5
PF351614LF	0-16 bar/psi	G1/4B	D+LF	50/50	5
PF352014LF	0-20 bar/psi	G1/4B	D+LF	50/50	5
PF352514LF	0-25 bar/psi	G1/4B	D+LF	50/50	5
PF354014LF	0-40 bar/psi	G1/4B	D+LF	50/50	5
PF364414LF	0-60 bar/psi	G1/4B	D+LF	50/50	5
PF364814LF	0-100 bar/psi	G1/4B	D+LF	50/50	5
PF365414LF	0-160 bar/psi	G1/4B	D+LF	50/50	5
PF366014LF	0-250 bar/psi	G1/4B	D+LF	50/50	5
PF366214LF	0-315 bar/psi	G1/4B	D+LF	50/50	5
PF366614LF	0-400 bar/psi	G1/4B	D+LF	50/50	5
PF367014LF	0-600 bar/psi	G1/4B	D+LF	50/50	5



## MG3A-INOX 100


DN100 pressure gauges.

Part No	Pressure Range	Connection	Options*	Box/Master	Min. order
	-76-0 cm Hg			1/12	12
PF509916LF	-1/0 bar/in Hg	G1/2B	D+LF	1/12	1
	-1/0.6 bar			1/12	12
PF5403DL00	-1+1.5 bar/in hg	G1/2B	D	1/12	1
	-1+3 bar			1/12	12
PF5406DL00	-1+5 bar	G1/2B	D	1/12	1
	-1+9 bar			1/12	12
	-1+15 bar			1/12	12
PF540116LF	0-1 bar/psi	G1/2B	D+C+LF+Z0	1/12	1
	0-1.6 bar/psi	G1/2B		1/12	12
PF550316LF	0-2.5 bar/psi	G1/2B	D+LF	1/12	1
PF550416LF	0-4 bar/psi	G1/2B	D+LF	1/12	1
PF550616LF	0-6 bar/psi	G1/2B	D+LF	1/12	1
PF551016LF	0-10 bar/psi	G1/2B	D+LF	1/12	1
PF551216LF	0-12 bar/psi	G1/2B	D+LF	1/12	1
PF551616LF	0-16 bar/psi	G1/2B	D+LF	1/12	1
PF552016LF	0-20 bar/psi	G1/2B	D+LF	1/12	1
PF552516LF	0-25 bar/psi	G1/2B	D+LF	1/12	1
PF554016LF	0-40 bar/psi	G1/2B	D+LF	1/12	1
PF564416LF	0-60 bar/psi	G1/2B	D+LF	1/12	1
PF564816LF	0-100 bar/psi	G1/2B	D+LF	1/12	1
PF565416LF	0-160 bar/psi	G1/2B	D+LF	1/12	1
PF566016LF	0-250 bar/psi	G1/2B	D+LF	1/12	1
PF566216LF	0-315 bar/psi	G1/2B	D+LF	1/12	1
PF566616LF	0-400 bar/psi	G1/2B	D+LF	1/12	1
PF567016LF	0-600 bar/psi	G1/2B	D+LF	1/12	1

### \*Options included

D = Dual scale bar/psi (black/red)  
 Z0 = Without restrictor hole 3 mm  
 Z = Without restrictor hole 0.5 mm  
 LF = Fimet Watts logo on the dial  
 C = Accuracy class 1.6

## Customizations per minimum order quantity

Customizations	Model
PZMINACC050 - Mounting bracket - Separately supplied PMINACC047 - Mounting bracket - Mounted supplied	MG3A-INOX 50 MG3A-INOX 63
	
Z - Restrictor hole 0.5 mm for ranges < 40 bar	MG3A-INOX 50/63/100
Z0 - Without restrictor hole 3 mm for ranges ≥ 40 bar	MG3A-INOX 50/63/100
RN - Zero filling for ambient temperatures -40° +60 °C	MG3A-INOX 50/63/100
VC - Chemical window	MG3A-INOX 63
Customized dials, other scale ranges or connections on request	MG3A-INOX 50/63/100

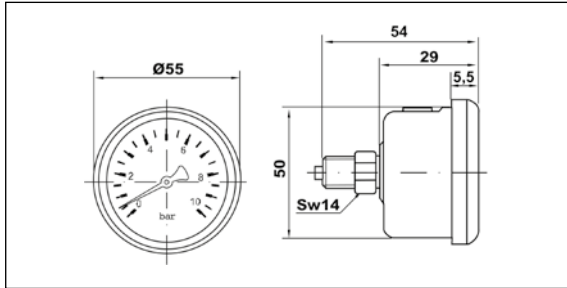
## Features

Materials	MG3A-INOX 50	MG3A-INOX 63	MG3A-INOX 100
Case + roll on bezel	Stainless steel AISI 304 with blow-out device	Stainless steel AISI 304 with blow-out device	Stainless steel AISI 304 with blow-out device
Case + roll on bezel	Polycarbonate	Vedril PMMA	Vedril PMMA
Dial	White aluminium	White aluminium	White aluminium
Pointer	Black plastic	Black plastic	Black plastic
Pressure connection	Cu-alloy, 14 mm flats	Cu-alloy, 14 mm flats	Cu-alloy, 21 mm flats
Pressure element	Bourdon tube Cu-alloy, soft soldered ≤ 60 bar C-type, > 60 bar helical type Sn-Ag soldered	Bourdon tube Cu-alloy, soft soldered ≤ 60 bar C-type, > 60 bar helical type Sn-Ag soldered	Bourdon tube Cu-alloy, soft soldered ≤ 60 bar C-type, > 60 bar helical type Sn-Ag soldered
Movement	Cu-alloy	Cu-alloy	Cu-alloy
Liquid filling	Glycerine 99.5%	Glycerine 99.5%	Glycerine 99.5%

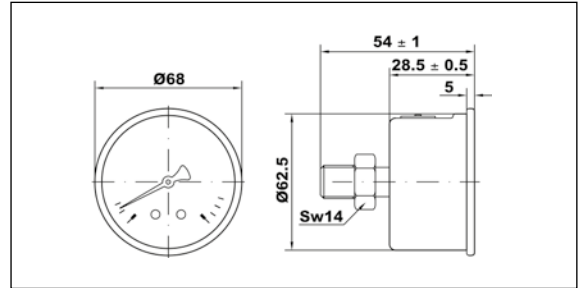
Technical features	
Design	EN 837-1
Working pressure	Steady: 75% of full scale value Fluctuating: 60% of full scale value Short time: full scale value
Temperature limits	Ambient: -20 ... +60°C Medium: +90°C maximum Storage: -20 ... +60°C
Temperature effect	Deviation from reference temperature (+20°C): ±0,04%/1K of the span
Accuracy class: MG3A-INOX 50 MG3A-INOX 63 MG3A-INOX 100	cl. 2.5 cl. 1.6 cl. 1.6
Degree of protection	IP 65 for EN 60 529 / IEC 529
Individual weight: MG3A-INOX 50 MG3A-INOX 63 MG3A-INOX 100	0.127 kg 0.209 kg 0.506 kg

## Overall dimensions (mm)

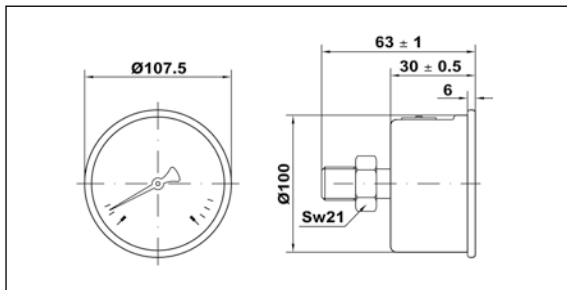
### MG3A-INOX 50



### MG3A-INOX 63



### MG3A-INOX 100



## Specification text

Bourdon tube pressure gauges, **MG3A-INOX Series**, Watts brand, for industry, gases and liquids not viscous, not aggressive and not crystallizing. **Glycerine filled inox case** DN 50-63-100 mm back entry, DN 50-63 **back entry or with panel mounting brackets**. Vacuum measures range -1/0 at high pressure up to 600 bar. Temperature limits + 60°C. Accuracy class 1.6. **Compliant with EN 837-1.**



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