

Differential pressure gauge

Nominal size 63

Model A2G-mini

WIKA data sheet PM 07.43

Applications

- For monitoring the differential pressure of air and dry, clean and non-aggressive gases
- Differential pressure monitoring for filters
- Overpressure monitoring in clean rooms
- For very low pressures

Special features

- Optimal readability with minimal space requirements
- Available as a built-in or add-on version
- All-metal design (built-in version)
- Simple and fast mounting
- Silicone-free



Differential pressure gauge with mounting bracket, model A2G-mini

Standard
articles



Description

The model A2G-mini differential pressure gauge is used for monitoring differential pressures of the filter units in small and medium-sized central air-handling units. Further applications include industrial air extraction units and dust extraction systems as well as in the cleanroom industry. Its compact design and flush panel mounting enable an optimal integration in the case structures of ventilation equipment.

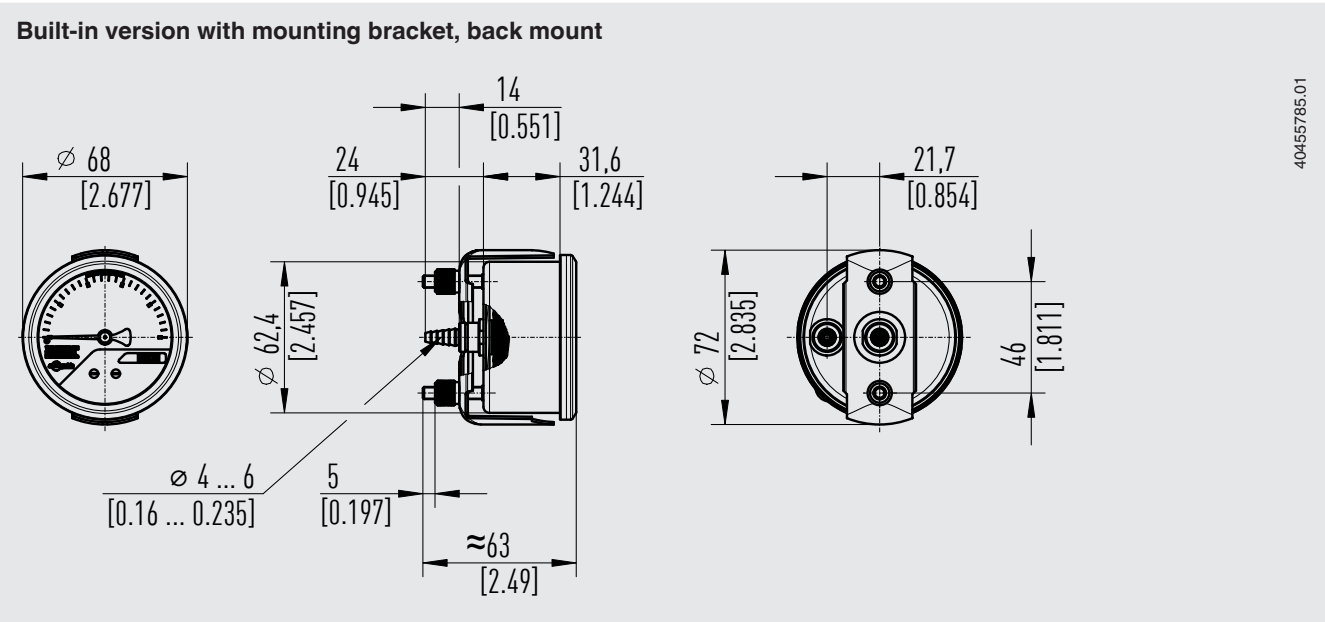
The pure metal design of the built-in version – with the case from stainless steel and the measuring system and movement from copper alloy – ensures maximum hygiene. Due to its silicone-free materials the instrument can also be used in the painting industry and its applications.

The high IP68 ingress protection and the UV-stabilised window also enable operation in outdoor areas.

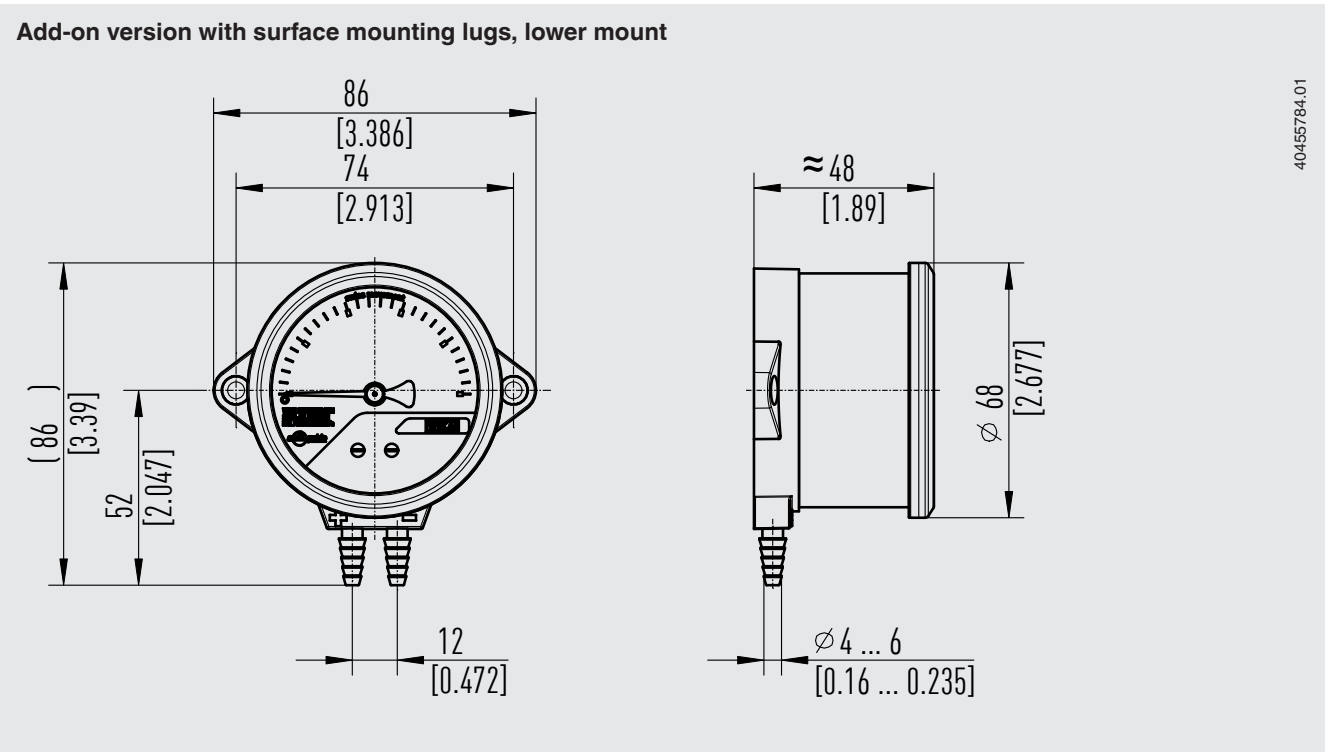
Specifications

Basic information	Built-in version	Add-on version
Nominal size	63 mm [2.48 in]	
Scale range	■ 0 ... 250 Pa ■ 0 ... 400 Pa ■ 0 ... 500 Pa ■ 0 ... 750 Pa ■ 0 ... 1,000 Pa ■ 0 ... 1,250 Pa ■ 0 ... 1,500 Pa ■ 0 ... 2,000 Pa ■ 0 ... 2,500 Pa ■ 0 ... 3,000 Pa ■ 0 ... 4,000 Pa ■ 0 ... 5,000 Pa ■ 0 ... 6,000 Pa ■ 0 ... 7,000 Pa ■ 0 ... 8,000 Pa ■ 0 ... 9,000 Pa ■ 0 ... 10,000 Pa	
Accuracy	±5 % of full scale	
Process connection	Back mount	Lower mount
	For hoses with inner diameter 4 ... 6 mm [0.16 ... 0.24 in]	
Pressure limitation		
Steady	Full scale value	
Fluctuating	0.9 x full scale value	
Temperature effect	When the temperature of the measuring system deviates from the reference temperature (+20 °C [+68 °F]): max. ±0.5 % / 10 K of full scale value	
Materials		
Case	Stainless steel	
Case back	-	Plastic
Front bezel	■ Steel, black painted (other colours on request) ■ Stainless steel	Steel, black painted
Window	Plastic, transparent	
Process connection	Copper alloy	Plastic
Dial	Aluminium, scale angle 180°	
Pointer	Aluminium, black	
Movement, pressure element	Copper alloy	
Permissible temperatures		
Medium	Max. 60 °C [140 °F]	
Ambient	-20 ... +60 °C [-4 ... +140 °F]	
Ingress protection per IEC/EN 60529	IP68	
Weight	200 g [0.44 lb]	
Mounting	Using mounting bracket	Using surface mounting lugs

Dimensions in mm [in]



40455785.01



40455784.01

Accessories

Model	Description	Order number
	Measuring hoses	
	PVC hose, inner diameter 4 mm [0.16 in], roll of 25 m [82 ft]	40217841
	PVC hose, inner diameter 6 mm [0.24 in], roll of 25 m [82 ft]	40217850
	Silicone hose, inner diameter 4 mm [0.16 in], roll of 25 m [82 ft]	40217906
	Silicone hose, inner diameter 6 mm [0.24 in], roll of 25 m [82 ft]	40217914
	Duct connectors for measuring hoses Ø 4 ... 6 mm [0.16 ... 0.24 in]	40217507

Ordering information

Model / Version / Measuring range / Options



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