

Pressure Gauge for General Purpose/With limit indicator

G46, GA46

O.D.: ø42



G46-10-02M-C

- Be sure to read the precautions on page 14-11-15 for selection and installation.

Standard Specifications

Model		G46	GA46
Type		Back side thread	Vertical side thread
Port size ⁽¹⁾		R 1/8, R 1/4 (Option M: with M5 female thread)	
Fluid ⁽²⁾		Air	
Indication precision		±3% F.S. (Full span)	
Material	Case (Surface treatment)	Aluminum die-casted (Black disulfide molybdenum coated)	Rolled steel (Black melamine painted)
	Clear cover	Polycarbonate (Part no.: G46-00-00-3)	
	Stud (Surface treatment)	Aluminum die-casted (Black disulfide molybdenum coated)	Brass
	Bourdon tube	Brass	
Weight (kg)		0.05	0.075
Applicable model		AC4000/5000/5500/6000 AR4000/5000/6000 AW4000	—
Attachment: With cover ring assembly	C	Part no.: 1305104-1A	—
	C1	Part no.: 1305104-3A	

Note 1) Indicates the condition at the lower pressure limit. Use a pipe tape for sealing. Recommended tightening torque: R 1/8: Set between 7 and 9 N·m, R 1/4: 12 and 14 N·m respectively.

Note 2) Not applicable to water as fluid because its stud is made from aluminum die-casting. Water may cause corrosion and block the air passage. Use G46-□-X3 pressure gauge with wetted parts SUS (wetted parts of G46-□-01M are made of brass and this become lightly corroded. Take precautions when using.) Design system to not be affected by water hammer when using water as fluid. Similarly, when using other fluids, please consult SMC for fluid compatibility information concerning corrosive potential.

Model (Standard)

Model	Pressure range ^{Note)}		Indication unit	Connection thread	Note
	MPa				
G46-2-01/ 02	0 to 0.2		MPa	R 1/8, 1/4	—
G46-4-01/ 02	0 to 0.4				
G46-7-01/ 02	0 to 0.7				
G46-10-01/ 02	0 to 1.0				
G46-2-01 to 02M	0 to 0.2			R 1/8, 1/4 M5 (Female thread)	
G46-4-01 to 02M	0 to 0.4				
G46-7-01 to 02M	0 to 0.7				
G46-10-01 to 02M	0 to 1.0				
GA46-10-01 to 02	0 to 1.0		R 1/8, 1/4		

Note) Do not apply pressure more than the maximum display pressure. This will cause a malfunction.

Model (Made to Order)

Other versions of this unit can be made on a made-to-order basis. Please consult with SMC for details, as delivery times may be extended.

Model	Pressure range ^{Note)}		Indication unit	Connection thread	Note		
	MPa	psi					
G46-2-01 to 02-C/ C1	0 to 0.2	—	MPa	R 1/8, 1/4	With cover ring assembly		
G46-4-01 to 02-C/ C1	0 to 0.4	—					
G46-7-01 to 02-C/ C1	0 to 0.7	—					
G46-10-01 to 02-C/ C1	0 to 1.0	—					
G46-2-01 to 02M-C/ C1	0 to 0.2	—		R 1/8, 1/4 M5 (Female thread)			
G46-4-01 to 02M-C/ C1	0 to 0.4	—					
G46-7-01 to 02M-C/ C1	0 to 0.7	—					
G46-10-01 to 02M-C/ C1	0 to 1.0	—					
G46-4-02-X30	0 to 0.4	0 to 60	MPa, psi	R 1/4	—		
G46-10-02-X30	0 to 1.0	0 to 150					
G46-2-02M-X4	0 to 0.2	—	MPa	R 1/4 M5 (Female thread)	Oil-free		
G46-4-02M-X4	0 to 0.4	—					
G46-7-02M-X4	0 to 0.7	—					
G46-10-02M-X4	0 to 1.0	—					
G46-2-02M-C/ C1-X4	0 to 0.2	—					
G46-4-02M-C/ C1-X4	0 to 0.4	—					
G46-7-02M-C/ C1-X4	0 to 0.7	—		R 1/4	Oil-free, With cover ring assembly		
G46-10-02M-C/ C1-X4	0 to 1.0	—					
G46-10-02-X2	0 to 1.0	—					
G46-15-01 to 02	0 to 1.5	—					

Note) Do not apply pressure more than the maximum display pressure. This will cause a malfunction.

How to Order

G **46** **10** **01** **M** **C** **X2**

Pressure gauge

Type

Symbol	Type
Nil	Back side thread
A	Vertical side thread

Size

Symbol	Outside diameter
46	ø42.5

Connection thread

Symbol	Size
01	R 1/8
02	R 1/4

Max. display pressure

Symbol	Unit: MPa
2	0.2
4	0.4
7	0.7
10	1.0
15	1.5

Option

Symbol	Specifications
Nil	-
M	With M5 (Female thread)

Note: Use M5 female thread when piping onto a panel.

Option

Symbol	Specifications
Nil	-
X2	Stud parts Nickel plated
X3	Wetted parts stainless steel ⁽¹⁾
X4	Oil-free ⁽²⁾ (Wetted parts degrease washing)

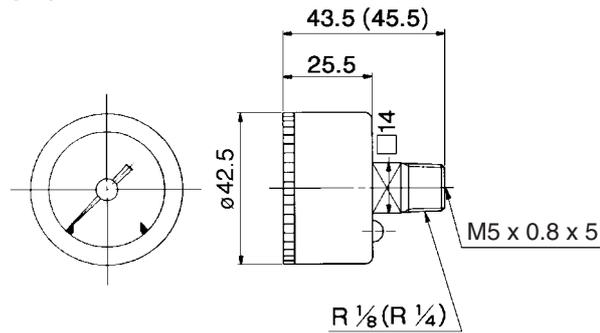
Note 1) Movable parts (gear, etc) inside pressure gauge are made of brass.
Note 2) Part number for pressure gauge with MPa-psi units is G□46-P***-X30. This will no longer be sold for use in Japan after the new Weight and Measure Act has been implemented (October, 1999).

Attachment (Cover ring assembly)

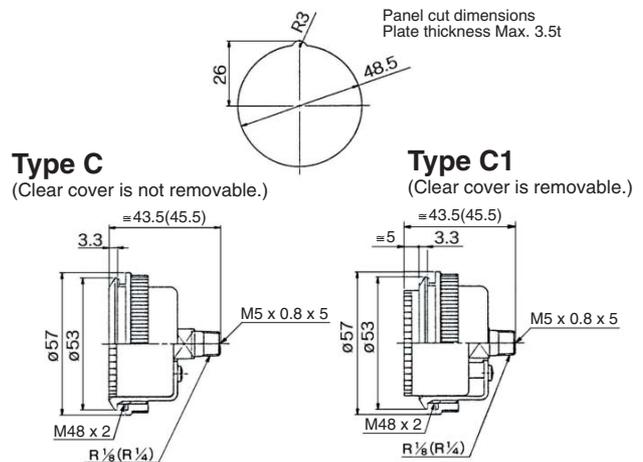
Symbol	Specifications
Nil	Without cover ring assembly
C	Clear cover has no protrusion. (Clear cover is irremovable.)
C1	Clear cover has protrusion. (Clear cover is removable.)

Dimensions The dimensions in (): Connecting thread R 1/4

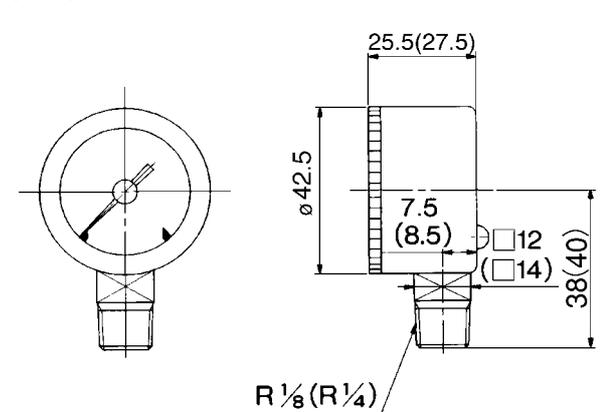
G46



G46: With cover ring assembly (For panel mount)



GA46



For setting method, Refer to page 14-11-15.

F.R.L.

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VY1

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