

Oil-free/External Parts Copper-free Pressure Gauge/With Limit Indicator

G46E Series

RoHS



G46E-10-02M



G46E-10-02M-C

- Be sure to read the precautions on page 1299 for selection and mounting.

Standard Specifications

Model		G46E
Type		Back side thread
Port size ⁽¹⁾		R 1/8, R 1/4 (Option M: with M5 female thread)
Fluid ⁽³⁾		Air
Indication precision ⁽⁴⁾		±3% F.S. (Full span)
Fluid contact part cleaning		Wetted parts degrease washing
Material	Case (Surface treatment)	Rolled steel (Black melamine painted)
	Clear cover (Surface treatment)	Polycarbonate (Hard coated) Part no.: G46-00-00-2
	Stud (Surface treatment)	Brass (Electroless nickel plated)
	Bourdon tube	Brass ⁽²⁾
Weight (kg)		0.08
Attachment: With cover ring assembly	C	Part no.: 1305104-1A
	C2	Part no.: 1305104-9A

Note 1) When mounting a pressure gauge, use caution not to tighten excessively. Excessive tightening will cause product failure. Use a pipe tape for sealing.

Note 2) Bourdon tube and internal movable parts (gear, etc.) are made of brass and are not electrolessly nickel plated. This is not an internally copper-free product.

Note 3) Avoid freezing as this may cause a malfunction.

Note 4) The guaranteed temperature range is 23°C ±5°C.

Model (Standard)

Model	Pressure range ⁽¹⁾		Indication unit	Connection thread	Note
	MPa	psi			
G46E-2-01 to 02M	0 to 0.2	—	MPa	R 1/8 R 1/4 M5 (Female thread)	—
G46E-4-01 to 02M	0 to 0.4	—			
G46E-7-01 to 02M	0 to 0.7	—			
G46E-10-01 to 02M	0 to 1.0	—			

Note 1) Do not apply pressure more than the maximum display pressure. This will cause a malfunction.

Model (Made to Order)

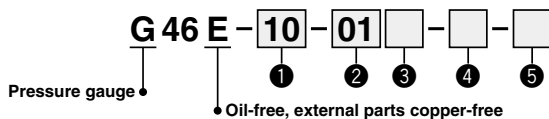
Other versions of this unit can be made on a Made-to-Order basis. Please consult SMC for details, as delivery times may be extended.

Model	Pressure range ⁽¹⁾		Indication unit	Connection thread	Note
	MPa	psi			
G46E-2-02M-C/C2	0 to 0.2	—	MPa	R 1/8 R 1/4 M5 (Female thread)	With cover ring assembly
G46E-4-02M-C/C2	0 to 0.4	—			
G46E-7-02M-C/C2	0 to 0.7	—			
G46E-10-02M-C/C2	0 to 1.0	—			
G46E-P2-01 to 02M-C/C2-X30 ⁽²⁾	0 to 0.2	0 to 30	MPa, psi	R 1/4 M5 (Female thread)	
G46E-P10-01 to 02M-C/C2-X30 ⁽²⁾	0 to 1.0	0 to 150			

Note 1) Do not apply pressure more than the maximum display pressure. This will cause a malfunction.

Note 2) Under the New Measurement Law, products for overseas use only (SI unit type for use in Japan)

How to Order



		Symbol	Description	G46E
+				
①	Max. display pressure	2	0.2 MPa	●
		4	0.4 MPa	●
		7	0.7 MPa	●
		10	1.0 MPa	●
		15	1.5 MPa	●
		P2 ⁽¹⁾	0.2 MPa, 30 psi	○ ⁽²⁾
P7 ⁽¹⁾	0.7 MPa, 100 psi	○ ⁽²⁾		
P10 ⁽¹⁾	1.0 MPa, 150 psi	○ ⁽²⁾		
+				
②	Connection thread	01	R 1/8	●
		02	R 1/4	●
+				
③	Option	Nil	—	●
		M ⁽³⁾	With M5 (Female thread)	●
+				
④	Attachment	Nil	Without cover ring assembly	●
		C	Clear cover has no protrusion. (Clear cover is irremovable.)	●
		C2	Clear cover has protrusion. (Clear cover is removable.) The wrench flats protrude.	●
+				
⑤	Special specification	Nil	—	●
		X30	Both MPa and psi	○ ⁽²⁾

Note 1) This symbol must be used with Special specification "X30."

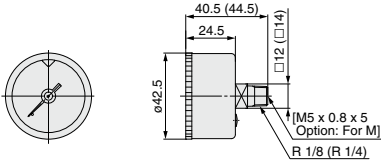
Note 2) Under the New Measurement Law, products for overseas use only (SI unit type for use in Japan)

Note 3) To use the pressure gauge with M5 (female thread), attach the joint when piping the tube.

G46E

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

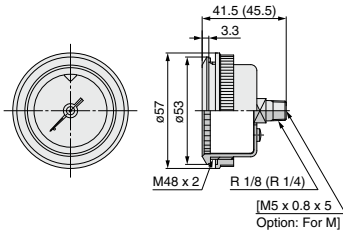
G46E-□□-01 to 02 (M)



With cover ring assembly (For panel mount)

G46E-□□-01 to 02 (M)-C

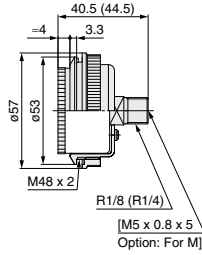
Type C (Clear cover is not removable.)



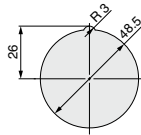
G46E-□□-01 to 02 (M)-C2

Type C2

(Clear cover is removable. The wrench flats protrude.)



Panel fitting dimensions
Plate thickness Max. 3.5 t



Refer to page 1298 for mounting method.