

Pressure Gauge for Clean Series (10-series) **G49 Series**



- Be sure to read the precautions on page 891 for selection and mounting.

Standard Specifications

Installation of a filter on the breathing hole (filtration 3 μm) enables an unit to curb particle generation from the pressure gauge inside.

Model		G49
Type		Back side thread
Port size ⁽¹⁾		R 1/8, R 1/4
Fluid ^{(2) (4)}		Air
Indication precision ⁽⁵⁾		±3% F.S. (Full span)
Material	Case (Surface treatment)	Zinc die-casted (Chromate plated)
	Clear cover	Glass
	Stud (Surface treatment)	Brass (Nickel plated for external parts only)
	Bourdon tube	Brass ⁽³⁾
Weight (kg)		0.095

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. Recommended tightening torque: R1/8: Set between 7 to 9 N·m, R1/4: 12 to 14 N·m respectively.

Note 2) When fluid is water, use G49-□-X3. Wetted parts of G49-□-X3 are made of Stainless steel. Use caution as some corrosion may be caused by water. Standard G49 pressure gauge contact area is made of brass. When using water, use caution not to apply water hammer. Similarly, when using other fluids, consult SMC for fluid compatibility information concerning corrosive potential.

Note 3) Bourdon tube and internal movable parts (gear, etc.) are made of brass, and are not nickel plated.

Note 4) Avoid freezing as this may cause a malfunction.

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

Model (Standard)

Model	Pressure range ⁽¹⁾		Indication unit	Connection thread	Note
	MPa				
G49-2-02	0 to 0.2		MPa	R 1/4	—
G49-7-02	0 to 0.7				
G49-10-02	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 with SMC for details, as delivery times may be extended.

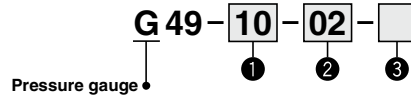
Model	Pressure range ⁽¹⁾		Indication unit	Connection thread	Note
	MPa	psi			
G49-P2-02-X30 ⁽²⁾	0 to 0.2	0 to 30	MPa, psi	R 1/4	—
G49-P10-02-X30 ⁽²⁾	0 to 1.0	0 to 150			

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)

Pressure Gauge for Clean Series (10-series) **G49 Series**

How to Order



	Symbol	Description	G49
	+		
① Max. display pressure	2	0.2 MPa	●
	4	0.4 MPa	●
	7	0.7 MPa	●
	10	1.0 MPa	●
	P2 ⁽¹⁾	0.2 MPa, 30 psi	○ ⁽²⁾
	P10 ⁽¹⁾	1.0 MPa, 150 psi	○ ⁽²⁾
	+		
② Connection thread	01	R 1/8	●
	02	R 1/4	●
	+		
③ Special specification	Nil	—	●
	X3 ⁽³⁾	Wetted parts stainless steel	●
	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) Movable parts (gear, etc.) inside pressure gauge are made of brass.

In addition, this specification is only available for connection thread "02".

Note 4) Cover ring assembly is not available.

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

G49-□-01 to 02

