Pressure Gauge for General Purpose

Series G15/G27



· Be sure to read the precautions on page 663 for selection and mounting.

Standard Specifications

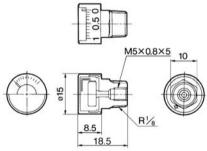
Standard Specifications					
Model		G15	G27		
Туре		Back side thread			
Port size (1)		R 1/8: M5 (Female thread)	R ½6		
Fluid (2)		Air			
Indication precision		±5% F.S. (Full span)			
Material	Case (Surface treatment)	Zinc die-casted (Black graphite coated)			
	Clear cover	Polycarbonate			
	Stud (Surface treatment)	Zinc die-casted (Black graphite coated)			
	Bourdon tube	Brass			
Mass (kg)		0.01	0.015		

- Caution on handling: When drain or oil, etc. gets into the gauge, it may result in a malfunction.

 Note 1) When mounting a pressure gauge, use caution not to tighten excessively. Excessive tightening will cause product to be damaged. Use a pipe tape for sealing. Recommended tightening torque is between 3 and 4 N·m for R 1/16 and 7 and 9 N·m for R 1/8.
- Note 2) Water cannot be used as an operating fluid. Because the clearance gap of the air passage of the Bourdon tube is very small. Water will block the gap and cause a malfunction. Similarly, when using other fluids, please consult with SMC for fluid compatibility information concerning possible corrosion and response delay, etc.

Dimensions





Model (Standard)

Model	Pressure range (1)	Indication	0	
Model	MPa	unit	Connection thread	
G15-10-01 (2)	0 to 1.0	MPa	R 1/8, M5 (Female thread)	
G27-10-R1	0 to 1.0	MPa	R ½6	

Note 1) Do not apply more excessive pressure than max. pressure display. It will be a cause of malfunction. Note 2) Display unit: single unit compatible

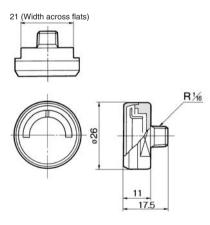
Model (Made to Order)

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.

Madal	Pressure	range (1) Indication		O a server at the server at	
Model	MPa	psi	unit	Connection thread	
G27-10-M5-X201	0 to 1.0	_	MPa	M5 (Female thread)	
G27-P10-R1-X30	0 to 1.0	0 to 150	MPa, psi	R 1/16	

Note 1) Do not apply more excessive pressure than max. pressure display. It will be a cause of malfunction.

G27

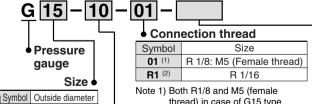


How to Order

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thread) in case of G15 type Note 2) Compatible with G27 type only

M5 (Female thread) only Note 1) X3 (Wetted parts SUS) specifications are not available.

Specifications

Both MPa and psi

Option

Symbol

Nil

X30

X201

• Max. display pressure					
Symbol	Unit				
10 (1)	1.0 MPa				
P10 (1) (2)	1.0 MPa, 150 psi				

Note 1) Pressure other than 1.0 MPa is not available.

Note 2) This symbol must be used with Option "X30."

GS

PPA

Pressure Gauge for General Purpose/ With Limit Indicator

Series G36/GA36



G36-10-01

 Be sure to read the precautions on page 663 for selection and mounting. **Standard Specifications**

Standard Specifications					
Model		G36	GA36		
Туре		Back side thread	Vertical side thread		
Port size (1)		R 1/8 (Option M: With	R 1/8 (Option M: With M5 female thread)		
Fluid (2) Air			ir		
Indication	precision	±3% F.S. (Full span)			
	Case (Surface treatment)	Aluminum die-casted (Black disulfide molybdenum coat treated)	Rolled steel (Black melamine painted)		
	Clear cover	Polycarbonate (Part no.: G36-00-00-3)			
Material	Stud (Surface treatment)	Aluminum die-casted (Black disulfide molybdenum coat treated)	Brass		
	Bourdon tube	Brass			
Mass (kg)		0.04	0.05		

Note 1) When installing a pressure gauge, be careful not to fasten too tight. Excessive tightening will result in damage. Use a pipe tape for sealing. Recommended tightening torque is R 1/6: Set between 7 and 9 N.m

Note 2) Not applicable to water as fluid because its stub is made from aluminum die-casted. Water may cause corrosion and block the air passage. Use a pressure gauge with wetted parts made from stainless steel, G46-□-X3. (Note: Take care when using G36-□-01M, whose wetted part is made from brass. Some corrosion may result.) Design system to not be affected by water hammer when using water as fluid. Similarly, when using other fluids, please consult with SMC, to prevent corrosion-related problems.

Model (Standard)

model (Otalidala)					
Model	Pressure range (1)	Indication	Connection thread	Note	
Model	MPa	unit			
G36-2-01	0 to 0.2				
G36-4-01	0 to 0.4	MPa R ¹ / ₈			
G36-7-01	0 to 0.7			_	
G36-10-01	0 to 1.0				
GA36-10-01	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.

Madal	Pressure range (1)		Indication	Connection	Note
Model	MPa	psi	unit	thread	Note
G36-10-01-X2	0 to 1.0	_	MPa	R ¹ / ₈	Plated stem (Ni)
G36-P2-01-X30	0 to 0.2	0 to 30	MPa, psi		_
G36-P10-01-X30	0 to 1.0	0 to 150	ivi⊢a, psi		
G36-15-01	0 to 1.5	_	MPa		

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

