

General-use pressure gauge

G49D/G59D Series

● Port size: R1/8, R1/4

JIS symbol 

RoHS CAD

Specifications

Item		G49D	G59D
Working fluid		Liquid or gas (non-corrosive)	
Fluid temperature °C		5 (41°F) to 60 (140°F)	
Ambient temperature °C		5 (41°F) to 60 (140°F)	
Accuracy *1		Full scale ±3%	
Shape		DT type (rear side screw, stock section square)	
Display size		ø42	ø52
Material	Stock/Bourdon tube	Copper alloy *2	
	Housing	Steel plate + chrome plating	
	Lens	Glass	
Pressure range MPa		0 (≈0 psi, 0 bar) to 0.2 (≈29 psi, 2 bar) 0 (≈0 psi, 0 bar) to 0.4 (≈58 psi, 4 bar) 0 (≈0 psi, 0 bar) to 1.0 (≈150 psi, 10 bar) 0 (≈0 psi, 0 bar) to 2.0 (≈290 psi, 20 bar)	
Port size R		1/8,1/4	
Weight g		86	115

*1: The guaranteed indicator accuracy temperature is 20±15°C.
*2: The material of the Bourdon tube is phosphor bronze only for pressure indication "P20."

How to order

G49D - 6 - P02

Ⓐ Model No.
Ⓑ Port size
Ⓒ Pressure display

Code	Description
Ⓐ Model No.	
G49D	
G59D	
Ⓑ Port size *2	
6	R 1/8
8	R 1/4
Ⓒ Pressure display [MPa] *1	
P02	0 to 0.2
P04	0 to 0.4
P10	0 to 1.0
P20	0 to 2.0

Clean-room specifications (Catalog No. CB-033SA)

● Anti-dust generation structure for use in cleanrooms

G49D-.....- **P9***

G59D-.....- **P9***

Copper and PTFE free specifications (Page 320)

G49D-.....- **P6**

G59D-.....- **P6**

Specifications for rechargeable battery

(Catalog No. CC-1226A)

● Design compatible with rechargeable battery manufacturing process

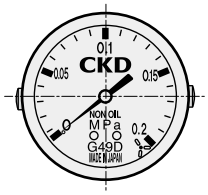
G49D-.....- **P4**

G59D-.....- **P4**

Precautions for model No. selection

*1: Displays other than an MPa display are made to order.
*2: NPT screws are available as made to order.

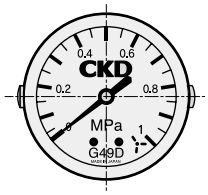
Dimensions CAD



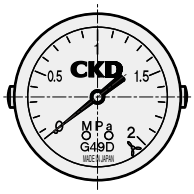
Pressure display: P02



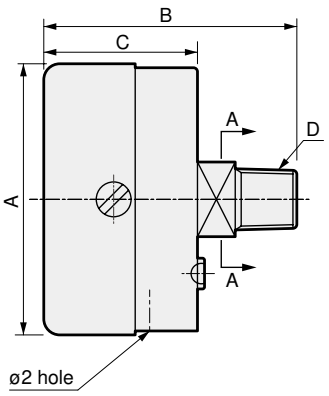
Pressure display: P04

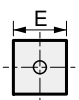


Pressure display: P10



Pressure display: P20





Cross section A-A

Model No.	A	B	C	D	E
G49D-6	ø43.5	40.5	24.5	R 1/8	12
G49D-8	ø43.5	44	24.5	R 1/4	14
G59D-6	ø52	44.5	28	R 1/8	14
G59D-8	ø52	46.5	28	R 1/4	14
G49D-6-P6	ø42.8	43.5	27.5	R 1/8	12
G59D-8-P6	ø52	50.5	26.5	R 1/4	14



General purpose pressure gauge for clean room

G49D-P70 -P9* G59D-P70 -P9* Series

● Port size: R1/8, R1/4

JIS symbol 

RoHS CAD

Specifications

Item		G49D-P70/P9*	G59D-P70/P9*
Working fluid		Compressed air, N_2	
Fluid temperature °C		5 (41°F) to 60 (140°F)	
Ambient temperature °C		5 (41°F) to 60 (140°F)	
Accuracy *1		Full scale ±3%	
Shape		DT type (rear side screw, stock section square)	
Display system		ø43	ø52
Material	Bourdon tube	P90,P94:SUS316 P70: Copper alloy	
	Stock	P90, P94: SUS14 (SUS316 equivalent) P70: Copper alloy (nickel plating)	
	Housing	Steel (chrome plating)	
	Lens	Glass	
Pressure range MPa		0 (≈0 psi, 0 bar) to 0.2 (≈29 psi, 2 bar) 0 (≈0 psi, 0 bar) to 0.4 (≈58 psi, 4 bar) 0 (≈0 psi, 0 bar) to 1.0 (≈150 psi, 10 bar)	
Port size R		1/8	1/4
Weight g		90	140

*1: The guaranteed indicator accuracy temperature is 20±15°C.

How to order

G49D - 6 - P04 - P90

Ⓐ Model No.
Ⓑ Port size
Ⓒ Pressure display
Ⓓ Clean-room specifications

Code	Description
Ⓐ Model No.	
G49D	
G59D	
Ⓑ Port size *2	
6	R1/8 (**G49D only**)
8	R1/4 (**G59D only**)
Ⓒ Pressure display [MPa] *1	
P02	0 to 0.2
P04	0 to 0.4
P10	0 to 1.0

Ⓓ Clean-room specifications

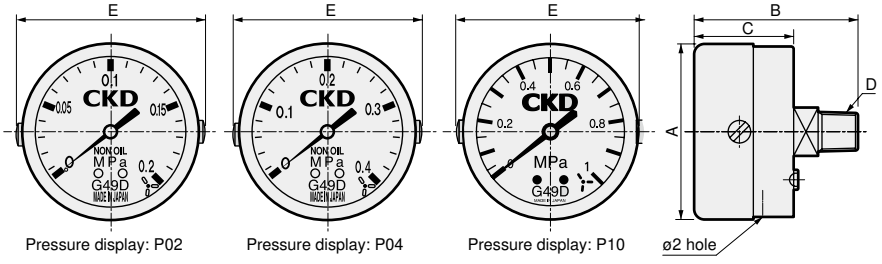
	Material	Oil prohib.specs	Assembly	Packaging
P70	Copper alloy (nickel plating)	Oil-prohibited/water free	General environment	Clean packaging
P90	Stainless steel	Oil-prohibited/water free	Clean assembly	Clean packaging
P94	Stainless steel	Oil-prohibited/water free	General environment	Clean packaging

P94 prohibits the use of copper-based, silicon-based, and halogen-based materials (fluorine, chlorine, bromine).

⚠ Precautions for model No. selection

*1: Contact CKD for indications other than MPa.
*2: Contact CKD when ordering NPT thread.

Dimensions



Pressure display: P02 | Pressure display: P04 | Pressure display: P10

Model No.	A	B	C	D	E
G49D-6-P02/P04/P10-P70	ø43	43.5	27.5	R 1/8	46.5
G59D-8-P02/P04/P10-P70	ø52	50.5	27	R 1/4	55.5
G49D-6-P02/P04/P10-P90/P94	ø43	43.5	27.5	R 1/8	46.5
G59D-8-P02/P04/P10-P90/P94	ø52	50.5	26.5	R 1/4	55.5