GA10 Grade 0.5 Pressure Gauge

OUTLINE

This pressure gauge has been designed for high-precision applications and is equipped with a stainless steel bourdon tube. Its case is of dustproof type. As a gauge high-precision measurement research work, this pressure gauge is used for research and experiment, and for calibrating secondary gauges as a standard pressure gauge.

FEATURES

- A Bourdon tube of this gauge has been especially designed for high-precision applications. This bourdon tube is also provided with excellent corrosion resistance.
- To secure safety of operation in case this pressure gauge breaks during direct reading, a blowout disk window is provided as a standard.
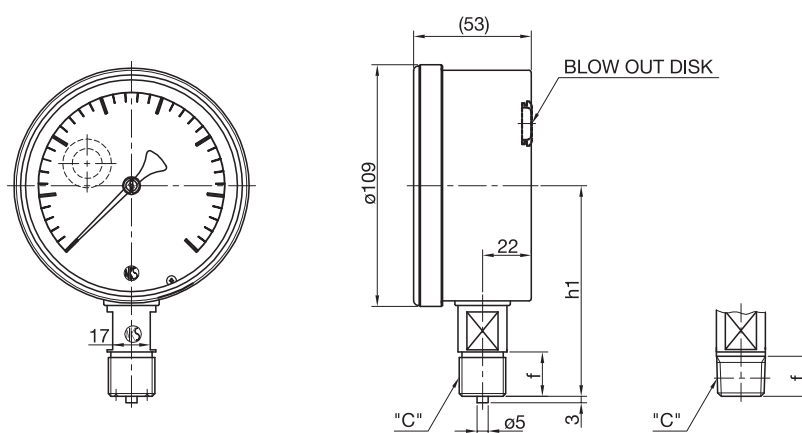
∗ In case of selecting pressure gauge, choose the pressure range which can be used in between 30~65% of full scale, so that the gauge can give its full capacity.
∗ Also should be confirmed weather the wetted parts material is suitable for the fluid or not.
∗ For oxygen service, please order us "USE NO OIL"
∗ For acetylene service, please order us "USE NO OIL" with corrosion-proof.
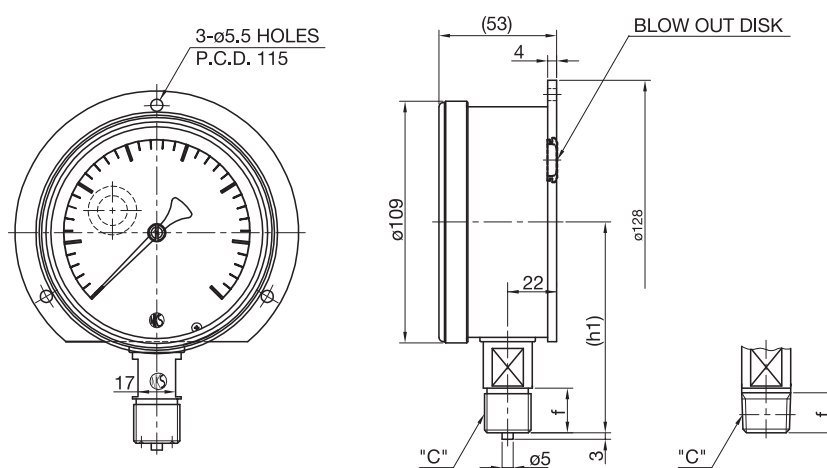
SPECIFICATION

- **Model** : GA10 Grade 0.5 Pressure Gauge

- **Fluid** :
    Gas or Liquid

- **Case construction :** Seal type
    IP43 but not sealed completely.

- **Size** :
    100 Dia.

- **Mounting** :
    A type (Stem mounting)
    B type (Surface wall mounting)

- **Connection** : Refer to the document "Screw for JIS pipe" in the technical sheet.
    1/4″PF,   3/8″PF,   1/2″PF
    1/4″PT,   3/8″PT,   1/2″PT
    1/4″NPT,   3/8″NPT,   1/2″NPT
    ∗ For other connections, please contact us.

- **Wetted parts materials** :
    Wetted parts generally mean the bourdon tube and socket.
    Bourdon tube --------- 316SS
    Socket (Shank) -------- 316SS

- **Case and Cover material** :
    Aluminium with Black finish

- **Pressure range** :
    0 ~ 0.1 → 0 ~ 5 MPa
    -0.1 ~ 0 MPa

- **Accuracy** :
    ±0.5% F.S.

- **Operating temperature** :
    Ambient : -5 ~ 40°C
    Fluid : -20 ~ 80°C

- **Window** : Glass

- **Pointer** : Twist pointer

- **Blowout disk** :
    When an emergency, bourdon tube exploded, it open up internal-pressure from blowout disk, and blowout disk prevents puncture of window.
    Note : To keep normal function, please take a space behind of gauge at leat 10mm when installing.
         Don´t process or stop up the blowout disk.

- **Weight** :
    100 Dia. Approx. 0.65kg

Outline dimension & Mounting type (GA10 Series)

GA10-1□□

BLOW OUT DISK

GA10-2□□

3-ø5.5 HOLES
P.C.D. 115

BLOW OUT DISK

C	f	(h1)
PF1/4	16	92
PF3/8	18	94
PF1/2	20	95
PT1/4	14	92
PT3/8	16	94
PT1/2	18	96
NPT1/4	14	92
NPT3/8	16	94
NPT1/2	18	96

( ) = Referance dimension

Available pressure range table (GA10 Series)

Division	Scale (MPa)	Min. graduation	Std. accuracy (±% of F.S.)	Order code
Vacuum range	-0.1 ~ 0	0.001	0.5	A
Pressure range	0 ~ 0.1	0.001	0.5	C
	0 ~ 0.2	0.002	0.5	D
	0 ~ 0.3	0.005	0.5	E
	0 ~ 0.4	0.005	0.5	F
	0 ~ 0.6	0.005	0.5	H
	0 ~ 1	0.01	0.5	I
	0 ~ 1.5	0.02	0.5	J
	0 ~ 2	0.02	0.5	K
	0 ~ 2.5	0.02	0.5	L
	0 ~ 3.5	0.05	0.5	M
	0 ~ 5	0.05	0.5	N

Model number configuration (GA10 Series)

∗ For ordering, Please specify the model number and each spec.

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                   ① ② ③   ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮

		Selective spec.	Option
Model			
Dial size	10	ø100	
① Type of mounting	1	A Type (Bottom connection)	
	2	B Type (Wall mounting connection)	
② Type of connection	1	NPT3/8	
	2	PF1/4	
	3	PF3/8	
	4	PF1/2	
	5	NPT1/4	
	6	NPT1/2	
	7	PT1/4	
	8	PT3/8	
	9	PT1/2	
	0	Other	
③ Wetted parts material	2	304SS	
	3	316SS	
	0	Other	
④ Range (MPa)	A ⟨ N	Refer to range table	
⑤ Accuracy	1	±0.5% F.S.	
⑥ Pointer	0	Standard	
	1	Other	
⑦ Glass	0	Standard	
	1	Other	
⑧ Treatment	0	Nil	
	1	Use no oil	
⑨ Throttle	0	Nil	
	1	FS10-011 or FS10-013 Corrosion-proof use	
	3	FS10-081 (With pipe)	
⑮ Documents	0	Nil	
	1	Required	