



# Pressure Gauges Square Type

## OUTLINE

This is a square type, exclusively panel-mounting type pressure gauge in which the elastic deformation (movement) of the Bourdon tube is transmitted to the indicator.

## FEATURES

- This pressure gauge indication is easy to read and pressure gauge itself is easy to use.
- As the case is square, this pressure gauge occupies less space when compared with a round type, and is appropriate for arranging many gauges on the same panel.
- Two methods of gauge attaching exist: attaching bolts and attaching metal fittings. An appropriate method for application can be selected.

- \* 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 whether the wetted parts material is suitable for the fluid or not.

## SPECIFICATION

### Fluid:

Gas or liquid

### Size:

□110

### Mounting:

Panel...  Type D (mounting bolt, mounting clamp)

### Connection:

G3/8B(PF), G1/2B(PF), Rc1/4(PT female)

\* For other connections, please contact us.

### Wetted parts material:

#### General use

Bourdon tube Copper alloy(C6872T) or 316st.st.

Socket YBcC3, Copper alloy(C3604BD) or 316st.st.

#### Corrosion-proof type

Bourdon tube 316st.st.

Socket 316st.st.

### Pressure range:

0 ~ 0.1 → 0 ~ 70MPa (0 ~ 1 → 0 ~ 700kgf/cm<sup>2</sup>)

-0.1 ~ 0 → -0.1 ~ 2MPa

(76cmHg ~ 0kgf/cm<sup>2</sup> → 76cmHg ~ 20kgf/cm<sup>2</sup>)

\* 20 ~ 100kPa (receiver range) is available, contact NKS for details. (Model: GR19-151)

### Operating temperature:

-5 ~ 40°C

### Accuracy:

±1.5%F.S.

### Blowout disk:

When an emergency, Bourdon tube exploded, it opens 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 least 10mm when installing. don't process or stop up the blowout disk.

### Pointer:

Other than standard type, there is zero adjustable pointer.

### Window:

Other than standard glass, special material glass, such as tempered glass, non-glare glass are also available.

### Function:

Standard, steam use (M), heat-proof type (H), vibration-proof type (V), steam use & vibration-proof type (MV), heat-proof & vibration proof type (HV)

\* Division of application is based on with JISB7505 Bourdon gage.

### Case material-finishing:

Zinc alloy die casting (ZDC2)-Black

\* About finishing color except a black color of outside, please specify.

### Weight:

Approx. 1.1kg

## SPECIFICATION 2

Treatment: (Option)  
Use no oil & water

Throttle: (Option)

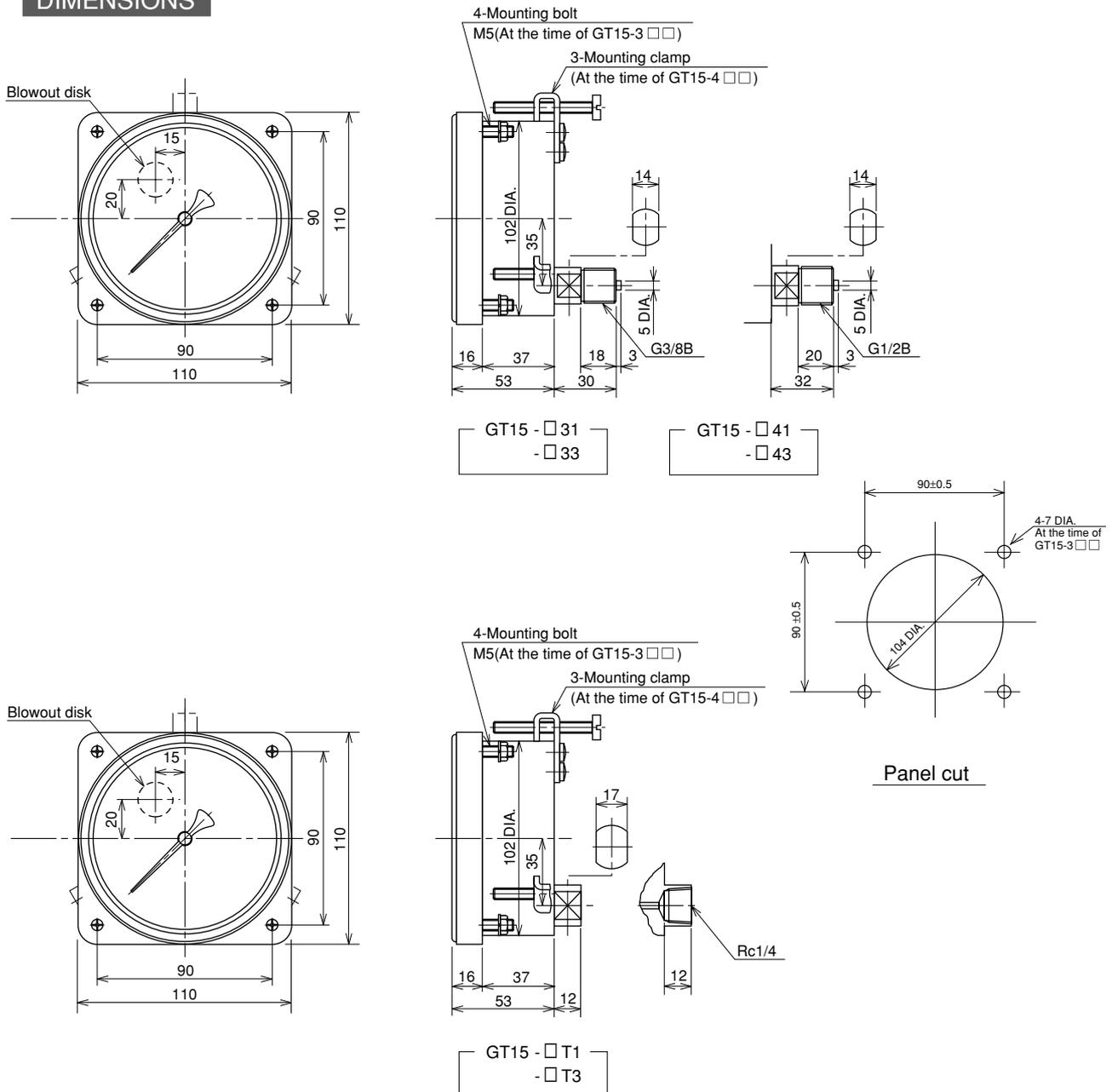
For reducing pulsating pressure, throttle is put on the inlet port.  
Select it out of the next model.

Type No.: FS10-011, FS10-081 (With pipe),  
Corrosion-proof use FS10-013

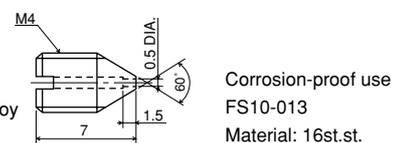
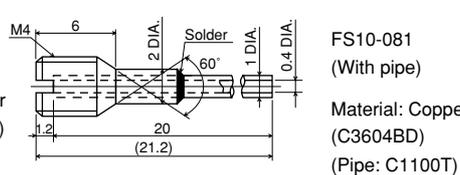
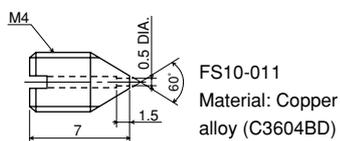
Dial scale specified: (Option)

Capacity scale, dual scale, printed words, colored  
circle

## DIMENSIONS



Throttle: (Option)



# Type No. constitution

Please specify Type No., each specification and range, when ordering.

Note: For this Model, there is no applicable item for the figures X, but please specify X when ordering.

Pressure gauges square type

GT 15

Type No.

### 1 Mounting

- 3 Type D Mounting bolt
- 4 Type D Mounting clamp

### 2 Connection

- 3 G3/8B
- 4 G1/2B
- T Rc1/4

### 3 Wetted parts material

Object	Socket	Bourdon tube	Connecting
1 General use (Not available for 50MPa and more than it.)	Pressure range 35MPa or less: YBsC3 C3604BD  Pressure range 35MPa over: 316st.st.	Pressure range 3.5MPa or less: · General type, vibration-proof type C6872T · Steam use general type, heat-proof type, Steam use vibration-proof type, heat-proof-vibration-proof type 316st.st.  Pressure range 3.5MPa over: 316st.st.	A case between bress solder configuration of bress and 316st.st. silver soldering  In a case between 316st.st. Tig welding
3 Corrosion-proof type	316st.st.	316st.st.	TIG welding

### 4 Pressure range(MPa)

When ordering, please specify pressure range & unit.

1	-0.1 ~ 0.1, 0.2, 0.3, 0.4, 0.6 -0.1 ~ 1, 1.5, 2
2	0 ~ 0.1, 0.2, 0.3, 0.4, 0.6 0 ~ 1, 1.5, 2, 2.5, 3.5 -0.1 ~ 0
3	0 ~ 5, 7, 10
4	0 ~ 15, 25, 35
5	0 ~ 50, 70      Corrosion-proof use only

### Selection spec.

### Additional spec.(Option)

### 10 Other additional spec.

- 0 Nil
- 1 Please specify your requirement  
Dial scale specified, accuracy 1 % option  
(Pressure range 0.1MPa over)

### 9 Throttle

- 0 Nil
- 1 FS10-01(General use)
- FS10-013(Corrosion-proof use)
- 3 FS10-018(With pipe)

### 8 Treatment

- 0 Nil
- 1 Use no oil
- 2 Use no water
- 3 Use no oil & water

### 7 Window

- 0 Standard
- 2 Tempered glass
- 3 Non-glare treatment glass
- 6 Non-frost coat treatment glass

### 6 Pointer

- 0 Standard
- 1 Zero adjustable(micro meter type)
- 2 Zero adjustable(spring type)

### 5 Function

- 0 Standard
- 1 M:Steam use
- 2 H:Heat-proof type
- 3 V:Vibration-proof type
- 4 MV:Steam use heat-proof type
- 5 HV:Heat-proof-vibration-proof type

### 15 Document

- 0 Nil
- 1 Please specify your requirement  
Drawing one sheet, Instruction manual, Inspection procedure, Mill sheet, Test report