

# GA\_\_ Grade 0.6 Pressure Gauge

## Overview

This pressure gauge is designed for high accuracy made of stainless bourdon tube with dustproof structure. High accurate pressure gauge can be utilized for high accurate pressure measurement, R&D purpose and as test gauge for calibration purpose.

## Features

- Bourdon tube is designed for high accuracy made of stainless material (SUS316) contributing to high corrosion resistance.
- It features blow out protection in case of event when pressure gauge breaks while monitoring.

\*To maximize performance, select full scale pressure range to indicate normal operating pressure which comes to conditions below.

For constant pressure : The maximum operating pressure should not exceed three-quarters of the full-scale range.

For fluctuating pressure: The maximum operating pressure should not exceed two-thirds of the full-scale range.

Select appropriate wetted parts compatible with process fluid (gas and liquid) which the gauge will be subjected.

Please refer to JIS B 7505-1 for details.

\*Specify use no oil for oxygen service.

Specify corrosion resistant and use no oil for Acetylene measurement application.



## JIS compliance

No JIS mark available for  
GA1□, GA26 and GA36

## Specifications 1

### Media:

Gases, liquids\*

### Size:

φ100, φ150, φ200

### Type:

Stem·····  B type (Mounting hole)

Panel·····  D type (Mounting clamp, mounting hole, and stand with handle)

### JIS mark available model:

GA21, GA31

### Connection:

G3/8B, G1/2B, 1/2NPT, R3/8, R1/2

\*Consult us for nonstandard connections.

### Wetted parts:

#### General type

Bourdon tube SUS316

Socket CAC203

\*Available up to 10MPa

#### Corrosion resistant type

Bourdon tube SUS316

Socket SCS14 or SUS316

### Pressure range:

0 to 0.1MPa→0 to 160MPa

-0.1 to 0MPa→-0.1 to 2.5MPa

### Operating temperature range:

-5 to 45°C

### Accuracy:

Grade 0.6 (According to JIS accuracy class)

\*JIS class 0.6 accuracy equivalent for GA1□, GA26, GA36

### Blow out protection:

Blow out protection is used to protect window being blown up in case of high pressure leak happen from the failure of bourdon tube. The disc breaks and releases inner over pressure.

Caution To maintain appropriate performance, space wider than 10mm against wall behind installing gauge is needed. Modification toward disk and plug, blocking out the disk are prohibited.

### Pointer:

Twisted pointer

### Case material · finish:

ADC12 (AC7A for GA3□) · Black

### Weight:

φ100 Approx. 0.8kg

φ150 Approx. 1.5kg

φ200 Approx. 2.1kg

### Treatment: (Option)

Use no oil and water····· Oil/Water used in manufacturing the gauges had been flushed out & no oil/water residue remained inside its wetted parts.

### Customized dial: (Option)

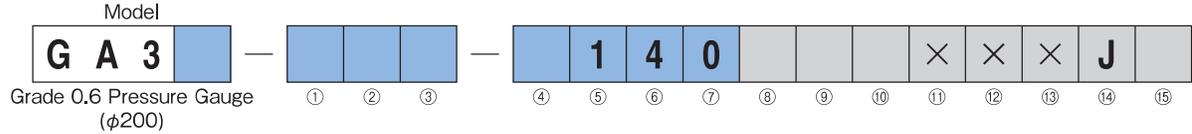
Capacity scale, dual scale, characters, circled and colored dial

### \* Caution

This pressure gauge is tested by water as its pressure media for calibration process. If customer's process media is gases, it is possible to utilize air for calibration. Specify accordingly.  
(\*Calibration is done by air when use no oil / and water are specified.)

### φ200 Grade 0.6 Pressure Gauge

**Model number configuration** Please specify the model number, each specs and the range for ordering.



| Model number             |  | Product specifications | Additional specifications (Optional) |
|--------------------------|--|------------------------|--------------------------------------|
| Type                     | 1 Stem<br>6 Panel (Not JIS mark available)   |                        |                                      |
| ① Type                   | 2 B type (Mounting hole)<br>9 —  | Stem                   | Panel                                |
| ② Connection             | 4 G1/2B<br>6 1/2NPT *1 GA36-9□□ not available<br>9 R1/2<br>Others*1 GA36-9□□ not available   |                        |                                      |
| ③ Wetted parts           | 1 General type Available up to 10MPa<br>3 Corrosion resistant type SUS made  |                        |                                      |
| ④ Pressure range (MPa)   | 1 -0.1 to 0.1, 0.16, 0.25, 0.4, 0.6, 1, 1.6, 2.5 Compound range<br>2 -0.1 to 0, 0 to 0.1, 0.16, 0.25, 0.4, 0.6, 1, 1.6, 2.5<br>3 0 to 4, 6, 10<br>4 0 to 16, 25 Corrosion resistant type only<br>5 0 to 40, 60 Corrosion resistant type only<br>6 0 to 100 Corrosion resistant type only<br>7 0 to 160 Corrosion resistant type only |                        |                                      |
| ⑤ Accuracy               | 1 JIS 0.6 grade<br>*GA36 equivalent to JIS0.6 grade  |                        |                                      |
| ⑥ Pointer                | 4 Twisted pointer  |                        |                                      |
| ⑦ Window                 | 0 Standard (Acrylic window)  |                        |                                      |
| ⑧ Treatment              | 0 Not required<br>1 Use no oil<br>2 Use no water<br>3 Use no oil & water   |                        |                                      |
| ⑨ Throttle               | 0 Not required<br>1 FS10-011 (General type)<br>FS10-013 (Corrosion resistant type)<br>3 FS10-081 (With pipe)   |                        |                                      |
| ⑩ Other additional spec. | 0 Not required<br>1 Required (Specify required additional spec below.)<br>Customized dial*2, case finish,<br>wood external box   |                        |                                      |
| ⑭ Class                  | J GA31 JIS grade 0.6*3<br>GA36 Equivalent to JIS grade 0.6   |                        |                                      |
| ⑮ Documents              | 0 Not required<br>1 Required (Documents available upon request)<br>Datasheet (Drawing / Specifications)<br>Instruction manual<br>Inspection procedure<br>Mill test report<br>Calibration test report (One-part one sheet)<br>Inspection / Traceability certificate<br>Attending inspection   |                        |                                      |

Please specify pressure range and unit of measure along with corresponding ordering code.

**\*Attention**  
This pressure gauge is tested by water as its pressure media for calibration process. If customer's process media is gases, it is possible to utilize air for calibration. Specify accordingly.  
(\*Calibration is done by air when use no oil / and water are specified.)

\*1 JIS only available for pipe thread  
\*2 Capacity scale, dual scale, characters, circled and colored line

**\*3 JIS mark is only available for GA31 (Stem) (Position of panel flange is incompatible with what JIS specifies.)**

\* Specify code "X" to refer N/A