

# Pressure Gauge for General Purpose

## *G33/GA33 Series*

RoHS



### Standard Specifications

| Model                               |              | G33                    | GA33                 |
|-------------------------------------|--------------|------------------------|----------------------|
| Type                                |              | Back side thread       | Vertical side thread |
| Port size <sup>(1)</sup>            |              | R 1/8                  |                      |
| Fluid <sup>(2,3)</sup>              |              | Air                    |                      |
| Indication precision <sup>(4)</sup> |              | ±3% F.S. (Full span)   |                      |
| Material                            | Case         | Stainless steel        |                      |
|                                     | Clear cover  | Glass                  |                      |
|                                     | Stud         | Brass                  |                      |
|                                     | Bourdon tube | Brass                  |                      |
| Weight [kg]                         |              | 0.03                   | 0.033                |
| Applicable model                    |              | IP5000, IR1000, IT1000 | ARM2500, 3000        |

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.

Note 2) When using other fluids, please consult with SMC for fluid compatibility information concerning corrosive potential.

Note 3) Avoid freezing as this may cause a malfunction.

Note 4) The guaranteed temperature range is 23°C ±5°C.

### Model (Standard)

| Model      | Pressure range <sup>(1)</sup> |  | Indication unit | Connection thread | Note |
|------------|-------------------------------|--|-----------------|-------------------|------|
|            | MPa                           |  |                 |                   |      |
| G33-2-01   | 0 to 0.2                      |  | MPa             | R 1/8             | —    |
| G33-3-01   | 0 to 0.3                      |  |                 |                   |      |
| G33-4-01   | 0 to 0.4                      |  |                 |                   |      |
| G33-6-01   | 0 to 0.6                      |  |                 |                   |      |
| G33-10-01  | 0 to 1.0                      |  |                 |                   |      |
| GA33-2-01  | 0 to 0.2                      |  |                 |                   |      |
| GA33-4-01  | 0 to 0.4                      |  |                 |                   |      |
| GA33-7-01  | 0 to 0.7                      |  |                 |                   |      |
| GA33-10-01 | 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)

| Model                          | Pressure range <sup>(1)</sup> |          | Indication unit | Connection thread | Note                                     |
|--------------------------------|-------------------------------|----------|-----------------|-------------------|------------------------------------------|
|                                | MPa                           | psi      |                 |                   |                                          |
| G33-2-01-X2                    | 0 to 0.2                      | —        | MPa             | R 1/8             | X2: Stud parts electroless nickel plated |
| G33-4-01-X2                    | 0 to 0.4                      | —        |                 |                   |                                          |
| G33-6-01-X2                    | 0 to 0.6                      | —        |                 |                   |                                          |
| G33-10-01-X2                   | 0 to 1.0                      | —        |                 |                   |                                          |
| GA33-2-01-X2                   | 0 to 0.2                      | —        |                 |                   |                                          |
| GA33-4-01-X2                   | 0 to 0.4                      | —        |                 |                   | X2: Stud parts nickel plated             |
| GA33-7-01-X2                   | 0 to 0.7                      | —        |                 |                   |                                          |
| GA33-10-01-X2                  | 0 to 1.0                      | —        |                 |                   |                                          |
| G33-10-01-X4                   | 0 to 1.0                      | —        |                 |                   | X4: Oil-free (Wetted parts degreasing)   |
| GA33-P10-01-X30 <sup>(2)</sup> | 0 to 1.0                      | 0 to 150 | MPa, psi        | R 1/8             | —                                        |

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

Note 2) Under the New Measurement Law, products for overseas use only (SI unit type for use in Japan)

# G33/GA33 Series

## How to Order

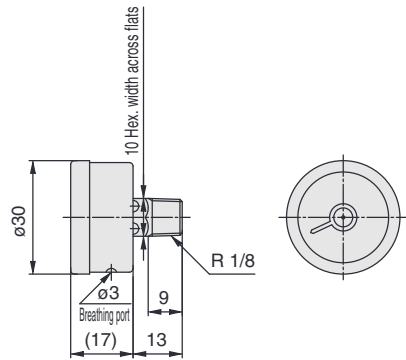


|                    |                                          | Symbol            | Description                              | ①                |                      |
|--------------------|------------------------------------------|-------------------|------------------------------------------|------------------|----------------------|
|                    |                                          |                   |                                          | Type             |                      |
|                    |                                          |                   |                                          | G33              | GA33                 |
|                    |                                          |                   |                                          | Back side thread | Vertical side thread |
| +                  |                                          |                   |                                          |                  |                      |
| ②                  | Max. display pressure                    | 2                 | 0.2 MPa                                  | ●                | ●                    |
|                    |                                          | 3                 | 0.3 MPa                                  | ●                | —                    |
|                    |                                          | 4                 | 0.4 MPa                                  | ●                | ●                    |
|                    |                                          | 6                 | 0.6 MPa                                  | ●                | —                    |
|                    |                                          | 7                 | 0.7 MPa                                  | ●                | ●                    |
|                    |                                          | 10                | 1.0 MPa                                  | ●                | ●                    |
|                    |                                          | P2 <sup>(1)</sup> | 0.2 MPa, 30 psi                          | ○ <sup>(2)</sup> | —                    |
|                    |                                          | P3 <sup>(1)</sup> | 0.3 MPa, 45 psi                          | ○ <sup>(2)</sup> | —                    |
|                    |                                          | P4 <sup>(1)</sup> | 0.4 MPa, 60 psi                          | ○ <sup>(2)</sup> | —                    |
|                    |                                          | P7 <sup>(1)</sup> | 0.7 MPa, 100 psi                         | ○ <sup>(2)</sup> | —                    |
| P10 <sup>(1)</sup> | 1.0 MPa, 150 psi                         | ○ <sup>(2)</sup>  | ○ <sup>(2)</sup>                         |                  |                      |
| +                  |                                          |                   |                                          |                  |                      |
| ③                  | Connection thread                        | 01                | R 1/8                                    | ●                | ●                    |
| +                  |                                          |                   |                                          |                  |                      |
| ④                  | Special specification <sup>Note 3)</sup> | —                 | —                                        | ●                | ●                    |
|                    |                                          | X2                | Stud parts nickel plated                 | ●                | ●                    |
|                    |                                          | X4                | Oil-free (Wetted parts degrease washing) | ●                | ●                    |
|                    |                                          | X30               | Both MPa and psi                         | ○ <sup>(2)</sup> | ○ <sup>(2)</sup>     |

Note 1) This symbol must be used with Special specification "X30."  
Note 2) Under the New Measurement Law, products for overseas use only (SI unit type for use in Japan)  
Note 3) X3 (Wetted parts stainless steel) specifications are not available.  
Note 4) Cover ring assembly is not available.

## Dimensions

G33-□□-01



GA33-□□-01

