

# DA1\_

## Absolute Pressure Gauges

### Overview

It references absolute zero pressure as opposed to other pressure gauges referencing atmospheric pressure as zero for pressure measurement.

### Features

- Absolute pressure measurement is possible by itself with incorporated vacuum chamber.
- High pressure measurement is possible up to the 0.25MPa.

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



### Specifications

#### Media:

Gases

#### Size:

φ 150

#### Type:

Stem ·····



B type (Mounting hole)

Panel ·····



D type (Mounting clamp, Mounting hole)

#### Connection:

G3/8B, G1/2B

※Conversion joint is attached to accommodate nonstandard connection requirement.

#### Wetted parts:

Bellows SUS316L

Socket SUS316

#### Pressure range:

0 to 15kPa abs. → 0 to 0.25MPa abs.

Maximum allowable pressure is atmospheric pressure for the gauge rated pressure is set by lower than atmospheric pressure.

#### Operating temperature:

-5 to 45°C

#### Accuracy:

±2%F.S.

#### Window:

Inorganic window

#### Case material · finish:

AC7A · Black

#### Treatment: (Option)

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

#### Switch: (Option)

Contact switch type can also be made. Consult us. Number of contacts is one or two.

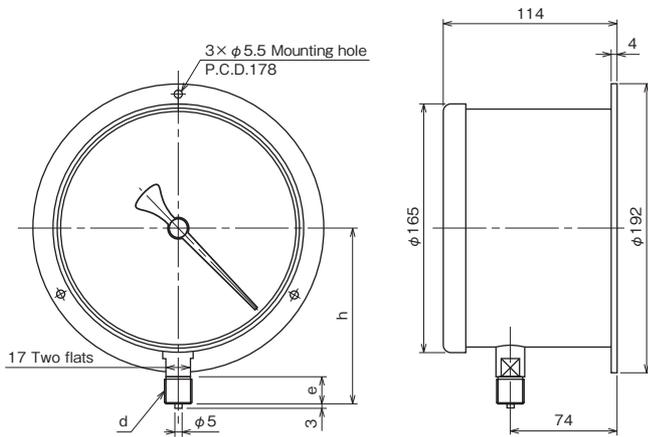
#### Weight:

Approx. 3.2kg

### Dimensions

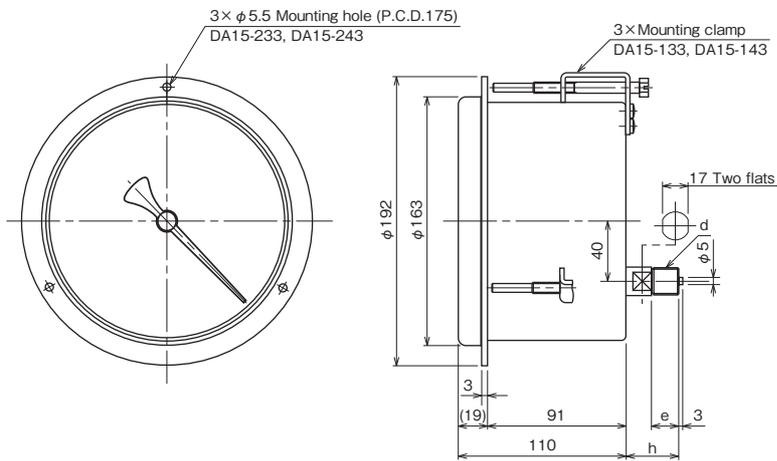
Unit: mm

#### Stem



| Model number | d     | h   | e  |
|--------------|-------|-----|----|
| DA10-233     | G3/8B | 112 | 18 |
| -243         | G1/2B | 114 | 20 |

#### Panel



| Model number | d     | h  | e  |
|--------------|-------|----|----|
| DA15-133     | G3/8B | 32 | 18 |
| -233         |       |    |    |
| DA15-143     | G1/2B | 34 | 20 |
| -243         |       |    |    |

### Model number configuration

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

Model

DA1 — 3 — 000 — × × × × ×

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

| Model number             |   | Product specifications  |                         | Additional specifications (Optional) |  |  |
|--------------------------|---|---|-------------------------|--------------------------------------|--|--|
| Model                    | 0 | Stem  |                         |                                      |  |  |
|                          | 5 | Panel   |                         |                                      |  |  |
| ① Type                   |   | Stem  | Panel                   |                                      |  |  |
|                          | 1 | _____   | D type (Mounting clamp) |                                      |  |  |
|                          | 2 | B type (Mounting hole)  | D type (Mounting hole)  |                                      |  |  |
| ② Connection             |   | 3 G3/8B   |                         |                                      |  |  |
|                          |   | 4 G1/2B   |                         |                                      |  |  |
| ③ Wetted parts           |   | 3 SUS316, SUS316L   |                         |                                      |  |  |
| ④ Pressure range         | 1 | 0 to 15, 20, 25, 40kPa abs.   |                         |                                      |  |  |
|                          | 2 | 0 to 0.05, 0.07, 0.1, 0.15MPa abs.  |                         |                                      |  |  |
|                          | 3 | 0 to 0.2, 0.25MPa abs.  |                         |                                      |  |  |
| ⑤ Accuracy               |   | 0   | Standard (±2.0%F.S.)    |                                      |  |  |
| ⑥ Pointer                |   | 0   | Standard                |                                      |  |  |
| ⑦ Window                 |   | 0   | Safety window           |                                      |  |  |
| ⑧ Treatment              | 0 | Not required  |                         |                                      |  |  |
|                          | 1 | Use no oil  |                         |                                      |  |  |
|                          | 2 | Use no water  |                         |                                      |  |  |
|                          | 3 | Use no oil & water  |                         |                                      |  |  |
| ⑨ Other additional spec. | 0 | Not required  |                         |                                      |  |  |
|                          | 1 | Required (Documents available upon request)<br>Case finish,<br>Switch with 1 contact<br>Switch with 2 contacts  |                         |                                      |  |  |
| ⑮ Documents              | 0 | Not required  |                         |                                      |  |  |
|                          | 1 | Required (Documents available upon request)<br>Datasheet (Drawing / Specifications)<br>Instruction manual<br>Inspection procedure 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.

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