

## GENERAL SERVICE PRESSURE GAUGE

### Model : AG10

**AG10** model are designed for non-corrosive environment. Water, air, oil or gas services are the most common applications which do not have high viscosity and do not crystallize. It's suitable for pneumatic, filters, pressure regulators, hydraulic, compressors and etc.



### Standard Specification

#### Dial Size

40, 50, 60, 75, 100, 150, 200, 250mm

#### Scale Range (kgf/cm<sup>2</sup>, psi, bar, kPa, MPa)

40mm : 0 ~ 2 to 0 ~ 35 kgf/cm<sup>2</sup>

50mm : -76cmHg ~ 0 to 0 ~ 100 kgf/cm<sup>2</sup>

60mm : -76cmHg ~ 0 to 0 ~ 700 kgf/cm<sup>2</sup>

75mm : -76cmHg ~ 0 to 0 ~ 300 kgf/cm<sup>2</sup>

100mm, 150mm : -76cmHg ~ 0 to 0 ~ 300 kgf/cm<sup>2</sup>

200mm, 250mm : 0 ~ 7 to 0 ~ 100 kgf/cm<sup>2</sup>

#### Working Pressure

75% of Full Scale

#### Accuracy

40mm : ± 3.0% of Full Scale.

50, 60, 75, 100, 150, 200, 250mm : ± 1.5% of Full Scale

#### Working Temperature

Ambient : -20 ~ 60°C

Process : -20 ~ 60°C

#### Material

Case & Cover : Black Finished Steel

Window : Glass

Movement : Brass

Element Tube : Brass

Connection : Brass

### Pressure Gauge Ordering Information

#### Model

AG10

#### Mounting Type

A: Direct bottom connection

B: Bottom connection with surface mounting plate

D: Direct center back connection

BD: Center back connection with panel mounting plate

#### Dial Size

40, 50, 60, 75, 100, 150, 200 or 250mm

#### Scale Range

#### Connection Type

1/8" BSPT, NPT, BSP

1/4" BSPT, NPT, BSP

3/8" BSPT, NPT, BSP

1/2" BSPT, NPT, BSP

#### Options

Red Pointer

### Example of Order

**Model**  
**AG10**

**Mounting Type**  
(A)

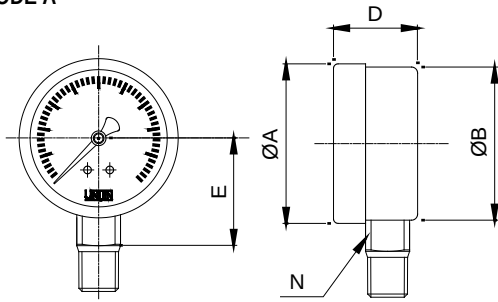
**Dial Size**  
75mm

**Range**  
0~ 7 kgf/cm<sup>2</sup>

**Connection**  
3/8" BSPT

## Basic Dimensions

### CODE A

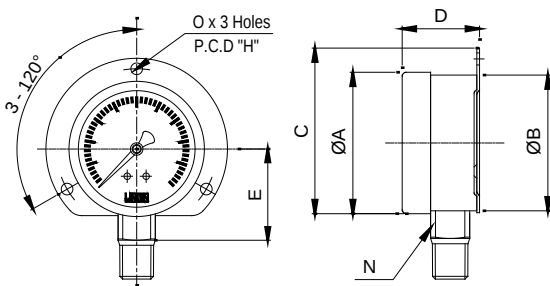


#### A: Direct bottom connection

Unit : mm

|   | ø 40 | ø 50 | ø 60 | ø 75 | ø 100 | ø 150 |
|---|------|------|------|------|-------|-------|
| A | 42.0 | 52.4 | 63.3 | 81.0 | 106.0 | 150.0 |
| B | 40.8 | 50.8 | 61.6 | 80.0 | 105.0 | 148.0 |
| D | 23.0 | 28.0 | 29.1 | 35.6 | 35.6  | 47.0  |
| E | 27.4 | 32.7 | 40.6 | 51.8 | 66.8  | 90.0  |
| N | 11.0 | 14.0 | 14.0 | 17.0 | 17.0  | 22.0  |

### CODE B

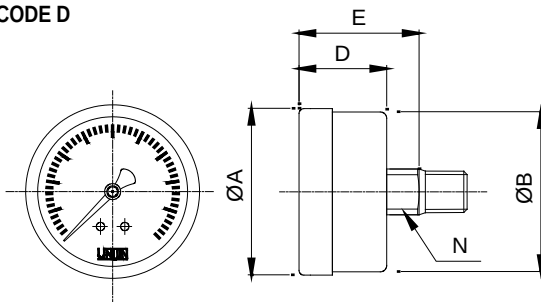


#### B: Bottom connection with surface mounting plate

Unit : mm

|   | ø 75 | ø 100 | ø 150 | ø 200 | ø 250 |
|---|------|-------|-------|-------|-------|
| A | 78.0 | 106.0 | 150.0 | 200.0 | 250.0 |
| B | 77.0 | 105.0 | 148.0 | 198.0 | 248.0 |
| C | 89.0 | 117.0 | 170.0 | 216.5 | 273.2 |
| D | 37.0 | 36.7  | 38.0  | 35.5  | 51.3  |
| E | 56.0 | 66.8  | 92.0  | 115.0 | 140.0 |
| H | 90.0 | 115.0 | 172.0 | 218.0 | 272.0 |
| N | 17.0 | 17.0  | 17.0  | 17.0  | 17.0  |
| O | 4.5  | 5.5   | 6.0   | 5.0   | 5.0   |

### CODE D

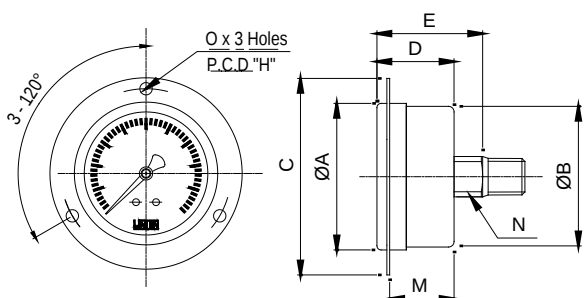


#### D: Direct center back connection

Unit : mm

|   | ø 40 | ø 50 | ø 60 | ø 75 | ø 100 |
|---|------|------|------|------|-------|
| A | 42.0 | 52.4 | 63.3 | 78.0 | 106.0 |
| B | 40.8 | 50.8 | 61.6 | 77.0 | 105.0 |
| D | 24.5 | 28.0 | 29.8 | 35.0 | 35.0  |
| E | 28.7 | 35.0 | 34.4 | 47.3 | 46.5  |
| N | 11.0 | 14.0 | 14.0 | 17.0 | 17.0  |

### CODE BD



#### BD: Center back connection with panel mounting plate

Unit : mm

|   | ø 40 | ø 50 | ø 60 | ø 75  | ø 100 |
|---|------|------|------|-------|-------|
| A | 41.5 | 52.2 | 63.3 | 78.0  | 106.0 |
| B | 40.2 | 50.8 | 61.8 | 77.0  | 105.0 |
| C | 60.5 | 70.0 | 85.2 | 100.0 | 128.0 |
| D | 24.5 | 28.5 | 29.3 | 35.0  | 35.0  |
| E | 28.7 | 35.8 | 36.4 | 47.3  | 46.5  |
| H | 49.0 | 62.0 | 74.0 | 90.0  | 115.0 |
| M | 22.9 | 26.3 | 24.8 | 31.0  | 31.0  |
| N | 11.0 | 14.0 | 14.0 | 17.0  | 17.0  |
| O | 3.5  | 4.5  | 4.2  | 4.5   | 5.5   |