

# COPPER ALLOY -CAPSULE PRESSURE GAUGE

## SSKE09-2

### APPLICATIONS

- Liquid & gaseous mediums
- Corrosive environments
- Oil & Gas applications
- Chemical & Petrochemical
- Food & Beverages
- Clean- air applications

### FEATURES

- Compact design
- Copper alloy measuring system
- Stainless steel case & ring
- Low pressure application (<0.6 bar)
- Zero adjustment on dial



### COPPER ALLOY -CAPSULE PRESSURE GAUGE, SSKE09-2

## DESCRIPTION

### General

**Design :** EN 837-3

**Accuracy :**  $\pm 1.6\%$  of full scale

**Ambient temperature :**  $-40...+65^{\circ}\text{C}$

**Service temperature :**  $100^{\circ}\text{C}$  max.

**Pressure limits :** Steady pressure up to 75% of FS value  
No over-pressure

**Weld joints :** Silver Alloy bracing [for Copper alloy system]

### Material of construction

**Sensing element :** Capsule

**Case & Ring material :** AISI 304 SS (Bayonet type)

**Capsule & Shank :** AISI 316 SS / Copper alloy

**Movement mechanism :** Copper alloy

**Dial :** Aluminum, black graduation on white background  
with zero adjustment on dial

**Pointer :** Fixed, aluminum, black powder coated

**Gaskets, Blow-off disc & filling plug :** Neoprene / NBR

**Window :** Sheet glass / Shatterproof Safety Glass

### Standard version

**Dial size :** DN63 / DN100 / DN150

**Range :** 25 mbar...0...600 mbar

**Mounting pattern :** Direct, Bottom connection

**Process connection :**  $\frac{1}{4}$ " OR  $\frac{1}{2}$ " NPT (M) / BSP (M)

**Ingress protection :** IP 65

**Execution :** Dry

### Filled versions

#### Glycerin

**Accuracy :**  $\pm 4.0\%$  of full scale

**Ranges :**  $\geq 100$  mbar

**Dampening liquid :** Glycerin + Water [20%+80%]

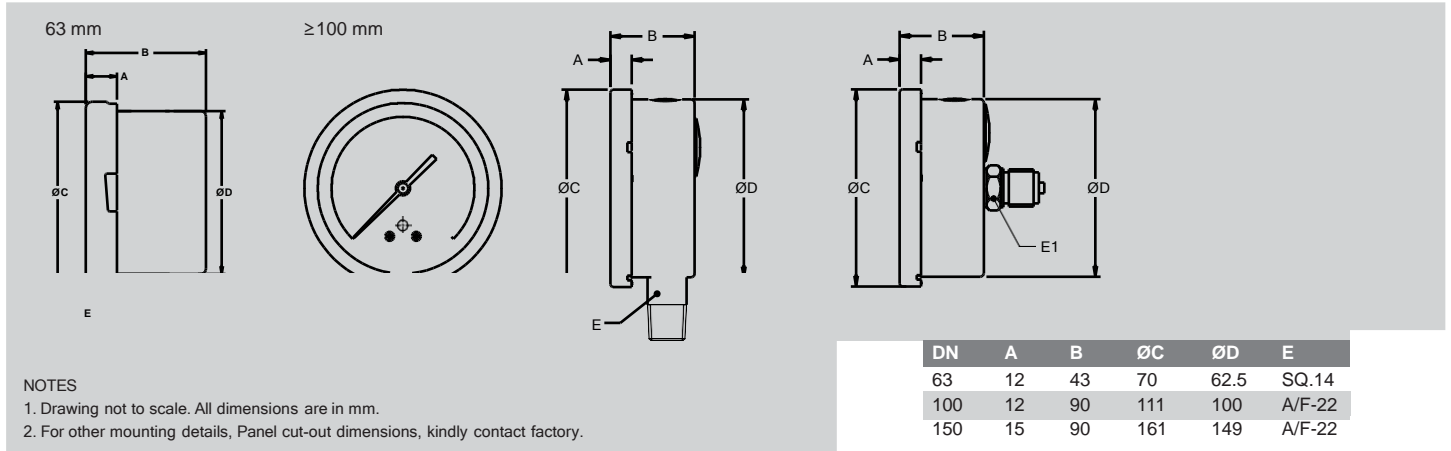
### Temperature effect

When temperature of the measuring system deviates from reference temperature ( $+20^{\circ}\text{C}$ ) :

max error  $\pm 0.4\%$  / 10K of true scale value.

# COOPER ALLOY CAPSULE PRESSURE GAUGE SSKE09-2

## DIMENSIONAL DRAWING



NOTES  
1. Drawing not to scale. All dimensions are in mm.  
2. For other mounting details, Panel cut-out dimensions, kindly contact factory.

## ORDERING CODES

|  |   |     |  |     |          |                         |
|--|---|-----|--|-----|----------|-------------------------|
| <b>MODEL</b>                                 |   |     |  |     | SSKE09-2 |                         |
| SSKE09-2 Copper Alloy Capsule Pressure Gauge |   |     |  |     |          |                         |
| <b>DIAL SIZE</b>                             |   |     |  |     |          |                         |
| D2   | 2.5" / 63 mm  | D4  | 4" / 100 mm                                  | D6  |          | 6" / 150 mm             |
| <b>MOUNTING</b>                              |   |     |  |     |          |                         |
| M1   | Direct bottom   | M2  | Direct bottom with Back flange               | M5  |          | Direct center back      |
| M9   | Center back with front flange   | M10 | Direct center back with panel mounting clamp |     |          |                         |
| <b>CONNECTION</b>                            |   |     |  |     |          |                         |
| P04  | ¼" NPT (M)  | P08 | ½" NPT (M)                                   | P20 |          | M20 X 1.5 mm (M)        |
| P03  | ¼" BSP (M)  | P05 | 3/8" BSP (M)                                 | P07 |          | ½" BSP (M)              |
| <b>CASE FILLING</b>                          |   |     |  |     |          |                         |
| F1   | Dry   |     |  |     |          |                         |
| <b>WETTED PARTS</b>                          |   |     |  |     |          |                         |
| S12  | Cu alloy  |     |  |     |          |                         |
| <b>INGRESS PROTECTION</b>                    |   |     |  |     |          |                         |
| I1   | IP 65   |     |  |     |          |                         |
| <b>RANGE</b>                                 |   |     |  |     |          |                         |
| 0-100 mbar                                   | Please mention range required with the measurement unit<br>[SSKE offer in all types of National & International measurement units, e.g. mmH2O, etc. with single or dual scales] |     |  |     |          |                         |
| <b>OTHER OPTIONS</b>                         |   |     |  |     |          |                         |
| E16  | 5 - point calibration certificate   | E31 | Custom designed dial                         | E32 |          | Dial tag marking        |
| E28  | SS tag plate, AISI 316 SS   | E27 | SS tag plate, AISI 304 SS                    | E33 |          | AISI 316 SS case & ring |

Ordering Example : SSKE09-2-D4.M1.P08.F1.S02.I1/0-100 mbar/E16/E27

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