



#### Special Features

- Stainless steel case & ring
- Available ranges: 25 mbar to 600 mbar
- Compact design
- Provision for zero adjustment
- Standard followed in general EN 837-3

#### Application

- Low pressure draft measurement
- Food & beverages,
- Pharmaceutical
- Breweries
- Conventional
- Nuclear power plants
- Clean air
- Gaseous
- Low viscous liquid & non corrosive media that Will not obstruct the pressure system.

#### Specifications

##### Standard Version : 63 mm, 100 mm, 125 mm & 150 mm

|                     |                       |
|---------------------|-----------------------|
| Accuracy            | : ±1.6% of F. S.      |
| Ambient temperature | : - 25°C to + 65°C    |
| Process temperature | : Max. 100°C          |
| Operating pressure  | : 75 % of Scale Value |
| Over pressure limit | : Not Suitable        |

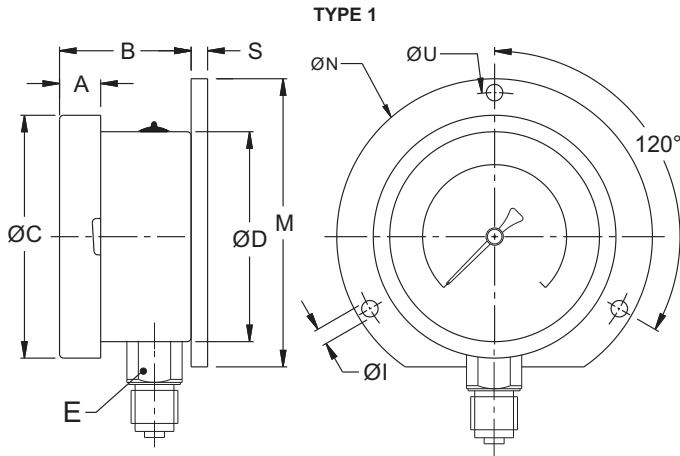
|              |                              |
|--------------|------------------------------|
| Case & Bezel | : AISI 304 SS (Bayonet Type) |
| Capsule      | : Copper Alloy               |
| Socket       | : Copper Alloy               |
| Movement     | : Copper Alloy               |
| Joints       | : Tin Soldering              |

|            |   |
|------------|---|
| Protection | : IP 55   |
| Dial       | : Aluminum, black graduation on white background with zero adjustment provision |
| Pointer    | : Aluminum, black Coloured, Fixed   |
| Window     | : Sheet Glass   |
| Gasket     | : Neoprene  |
| Vent Plug  | : Nitrile (For 63 mm) and EPDM (For 100 mm, 125 mm and 150 mm)                  |
| BOD        | : Neoprene (For 100 mm, 125 mm and 150 mm sizes)                                |

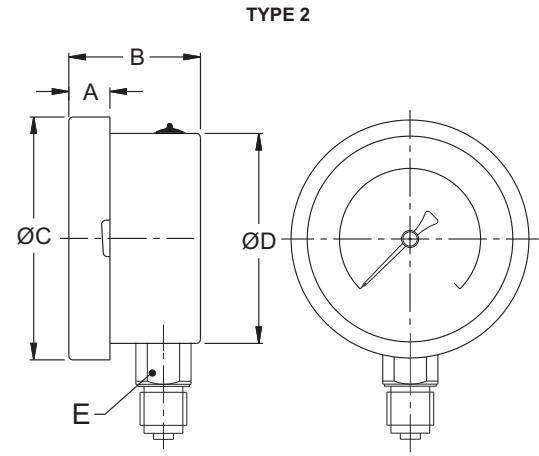
#### Temperature effect :

The variation of indication caused by effects of temperature is to be calculated by below formula; which is to be added in the specified accuracy while measurement :- Formula :  $\pm 0.06 \times (t_2 - t_1) \% \text{ of F. S.}$  where  $t_1$  = reference temperature (+20°C) and  $t_2$  = ambient temperature in °C.

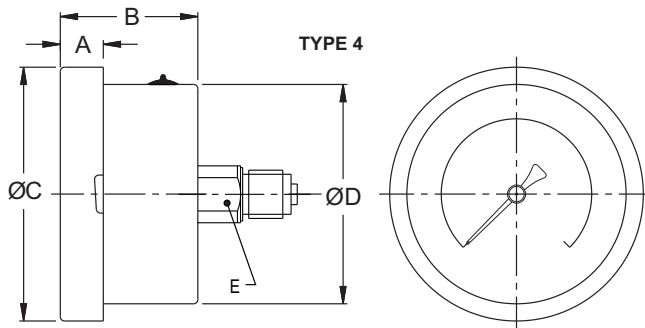
Dimensions - standard version



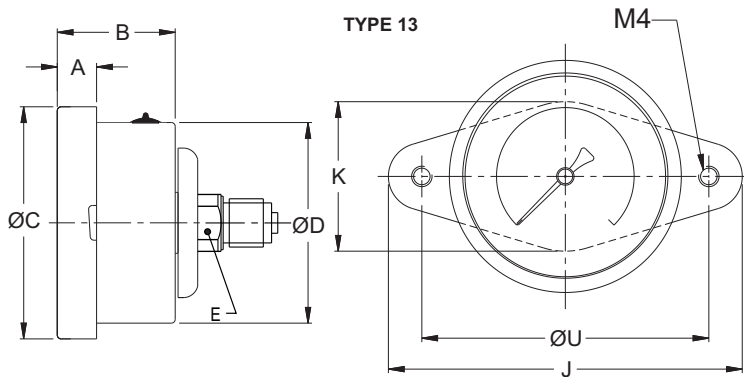
| NS | A    | B  | ØC   | ØD   | E  | S | ØN | ØI  | ØU | M  | Weight in gram<br>(With Box) |
|----|------|----|------|------|----|---|----|-----|----|----|------------------------------|
| 63 | 12.5 | 46 | 77.5 | 66.5 | 14 | 7 | 86 | 3.6 | 75 | 80 | 305.0                        |



| NS | A    | B  | ØC   | ØD   | E  | Weight in gram<br>(With Box) |
|----|------|----|------|------|----|------------------------------|
| 63 | 12.5 | 46 | 77.5 | 66.5 | 14 | 255.0                        |

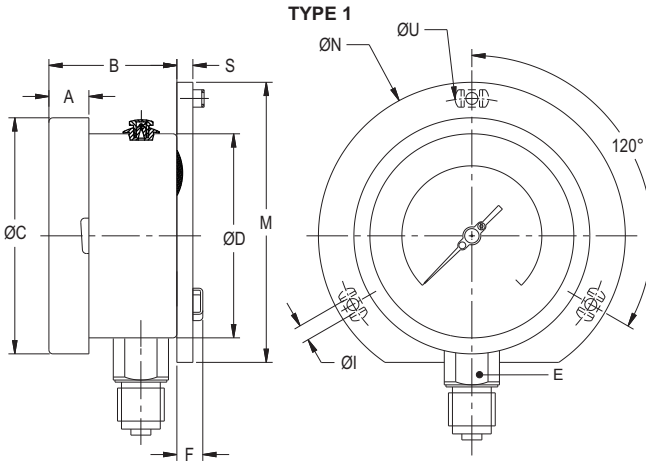


| NS | A    | B  | ØC   | ØD   | E  | Weight in gram<br>(With Box) |
|----|------|----|------|------|----|------------------------------|
| 63 | 12.5 | 46 | 77.5 | 66.5 | 14 | 245.0                        |

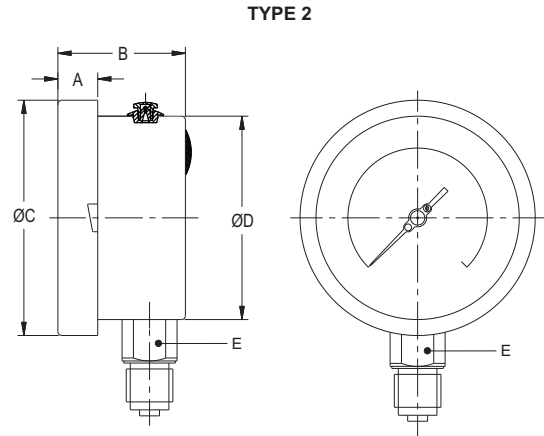


| NS | A    | B  | ØC   | ØD   | E  | J  | K  | ØU   | Weight in gram<br>(With Box) |
|----|------|----|------|------|----|----|----|------|------------------------------|
| 63 | 12.5 | 46 | 77.5 | 66.5 | 14 | 91 | 38 | 70.5 | 305.0                        |

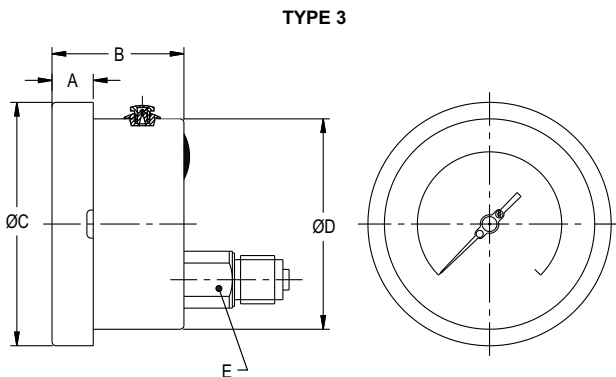
Dimensions - standard version



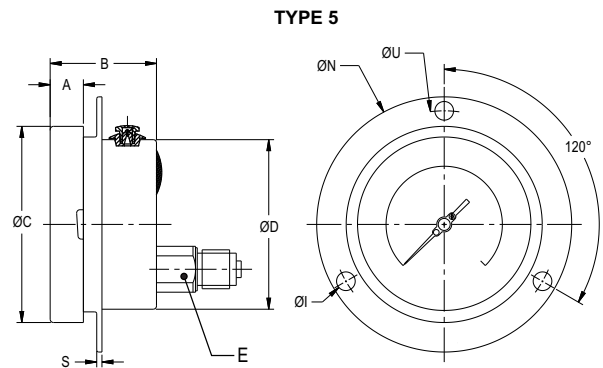
| NS  | A    | B    | ØC  | ØD  | E  | M     | S | F    | ØI | ØN  | ØU  | Weight in gram<br>(With Box) |
|-----|------|------|-----|-----|----|-------|---|------|----|-----|-----|------------------------------|
| 100 | 12.5 | 45   | 111 | 100 | 22 | 128   | 6 | 14.5 | 6  | 134 | 118 | 690.0                        |
| 125 | 15   | 46   | 129 | 119 | 22 | -     | 4 | 15   | 6  | 152 | 138 | 760.0                        |
| 150 | 15   | 46.5 | 161 | 149 | 22 | 174.5 | 6 | 15   | 6  | 186 | 168 | 1110.0                       |



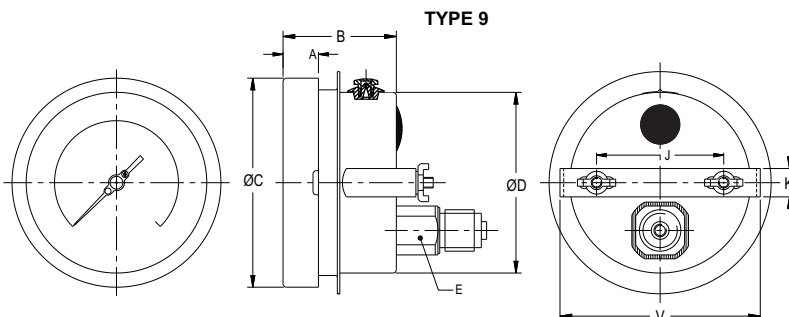
| NS  | A    | B  | ØC  | ØD  | E  | Weight in gram<br>(With Box) |
|-----|------|----|-----|-----|----|------------------------------|
| 100 | 12.5 | 47 | 111 | 100 | 22 | 605.0                        |
| 125 | 15   | 48 | 129 | 119 | 22 | 670.0                        |
| 150 | 15   | 49 | 161 | 149 | 22 | 1030.0                       |



| NS  | A    | B  | ØC  | ØD  | E  | Weight in gram<br>(With Box) |
|-----|------|----|-----|-----|----|------------------------------|
| 100 | 12.5 | 47 | 111 | 100 | 22 | 640.0                        |
| 125 | 15   | 48 | 129 | 119 | 22 | 750.0                        |
| 150 | 15   | 49 | 161 | 149 | 22 | 1000.0                       |



| NS  | A    | B  | ØC  | ØD  | E  | S | ØI | ØN  | ØU  | Weight in gram<br>(With Box) |
|-----|------|----|-----|-----|----|---|----|-----|-----|------------------------------|
| 100 | 12.5 | 47 | 111 | 100 | 22 | 1 | 6  | 134 | 118 | 695.0                        |
| 125 | 15   | 48 | 129 | 119 | 22 | 4 | 6  | 150 | 137 | 850.0                        |
| 150 | 15   | 49 | 161 | 149 | 22 | 5 | 6  | 186 | 168 | 1100.0                       |



| NS  | A    | B  | ØC  | ØD  | E  | J     | K  | V   | Weight in gram<br>(With Box) |
|-----|------|----|-----|-----|----|-------|----|-----|------------------------------|
| 100 | 12.5 | 47 | 111 | 100 | 22 | 72    | 16 | 108 | 740.0                        |
| 125 | 15   | 48 | 129 | 119 | 22 | 75    | 16 | 125 | 890.0                        |
| 150 | 15   | 49 | 161 | 149 | 22 | 106.5 | 16 | 166 | 1100.0                       |

Notes : • Drawings are not to scale. • All Dimensions are in mm. • NS = Nominal Size.

**Range Table**

Note : We offer National / International Scales like mbar, kPa, inWC, MWC, inHg, mmHg & Dual Scale or Equivalent scales as per the requirement can be provided on request. Following are the example tables for mmWC scales.

**Pressure range**

| Single scale - mmWC |        |        |        |        |
|---------------------|--------|--------|--------|--------|
| 0/250               | 0/600  | 0/1600 | 0/2500 | 0/6000 |
| 0/400               | 0/1000 | 0/2000 | 0/4000 |        |

**Vacuum & Compound range**

| Single scale - mmWC (Vaccum) |           |            |             |             |
|------------------------------|-----------|------------|-------------|-------------|
| - 250/0                      | - 600/0   | - 1600/0   | - 2500/0    | - 6000/0    |
| - 400/0                      | - 1000/0  | - 2000/0   | - 4000/0    |             |
| (Compound)                   |           |            |             |             |
| - 100/150                    | - 200/400 | - 600/1000 | - 1000/1500 | - 2000/4000 |
| - 150/250                    | - 400/600 | - 800/1200 | - 1500/2500 |             |

**Accessories (Refer datasheet for complete specifications)**

|                      |                   |                  |
|----------------------|-------------------|------------------|
| <b>EC</b> Gauge cock | <b>EG</b> Snubber | <b>EH</b> Siphon |
|----------------------|-------------------|------------------|

**How To Order**
**Example**

|   |   |                    |                             |        |        |  |               |
|---|---|--------------------|-----------------------------|--------|--------|--|---------------|
| Basic Model   |   |                    |                             |        |        |  | AX            |
| Code  |   |                    |                             |        |        |  |               |
| Nominal Size  |   | D                  | F                           | G      | H      |  | X             |
|   |   | 63 mm              | 100 mm                      | 125 mm | 150 mm |  |               |
| Type of Mounting  |   |                    |                             |        |        |  |               |
| 1   | Wall/ surface/ projection mounting<br>With bottom entry                   | ✓                  | ✓                           | ✓      | ✓      |  |               |
| 2   | Direct bottom entry   | ✓                  | ✓                           | ✓      | ✓      |  |               |
| 3   | Direct lower back entry   | X                  | ✓                           | ✓      | ✓      |  | X<br>OR<br>XX |
| 4   | Direct center back entry  | ✓                  | X                           | X      | X      |  |               |
| 5   | Lower back entry with front flange  | X                  | ✓                           | ✓      | ✓      |  |               |
| 9   | Lower back entry with mounting bracket                                    | X                  | ✓                           | ✓      | ✓      |  |               |
| 13  | Center back entry with mounting bracket                                   | ✓                  | X                           | X      | X      |  |               |
| Gauge Connection (# Applicable for NS 63 mm)  |   |                    |                             |        |        |  |               |
| 2BM 1/4" BSP (M)#   | 3BM 3/8" BSP (M)*   | 4BM 1/2" BSP (M)*  | 4MM M20 x 1.5 (M)*          |        |        |  | XXX           |
| 2NM 1/4" NPT (M)#   | 3NM 3/8" NPT (M)*   | 4NM 1/2" NPT (M) * |                             |        |        |  |               |
| * These connections will be provided through adaptors for NS 63 mm. Consult factory for minimum order quantity, price & delivery.<br>Note : Connections like Metric/ PT/ PF/ Flaired/ UNF/ G/ R etc can be provided on request. |   |                    |                             |        |        |  |               |
| Range   |   |                    |                             |        |        |  |               |
| Refer range table   |   |                    |                             |        |        |  | 0/600<br>mmWC |
| Optional extras   |   |                    |                             |        |        |  |               |
| PW  | Five point calibration certificate  | RW                 | Plexi glass                 |        |        |  |               |
| PU  | Calibration certificate traceable to National/<br>International standards | RX                 | Shatterproof / safety glass |        |        |  |               |
|   |   | RZ                 | Toughened glass             |        |        |  |               |
| FK  | Integral dampening screw (brass)  | SW                 | Dial tag marking*           |        |        |  | XX            |
| RH  | Custom designed dial  |                    |                             |        |        |  |               |
| SX  | SS tag plate  |                    |                             |        |        |  |               |

**Ordering Example: AX . X . X OR XX . XXX . 0/600 mmWC . XX**

For other optional items, please contact factory for delivery and minimum quantity of order.

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing.  
Modifications may take place and materials specified may be replaced by others without prior notice.