

## Specific & performance

- Wetted parts cleaned for oxygen service per ASME Level IV
- Accuracy up to class A per ASME B40.1 standard
- 100% Helium leak tested and packed in class 1000 clean room
- Electro-polished case

## Applications

- OEM customer
- Semiconductor
- Solar PV
- Specialty Gas



## Specifications

### Performance specifications

|                     |                                                                         |
|---------------------|-------------------------------------------------------------------------|
| Accuracy            | Class A ASME B40.1                                                      |
| Pressure range      | 0...15psi - 0...6000psi (include vacuum)                                |
| Pressure limitation | Steady: 3/4 time of FS<br>Fluctuating: 2/3 time of FS<br>Short time: FS |
| Dial size           | 2"                                                                      |
| Thermal drift       | max 0.4%FS/10°C (reference at 20°C)                                     |
| Helium leakage rate | < 1*10 <sup>-9</sup> mbar L/S                                           |

### Environmental specifications

|                     |                             |
|---------------------|-----------------------------|
| Ambient temperature | -40 ... +60 °C              |
| Media temperature   | -40 ... +100 °C             |
| Storage temperature | -20 ... +50 °C              |
| Ingress protection  | IP54 (EN 60529)             |
| Ambient humidity    | < 85 % RH, non-condensating |

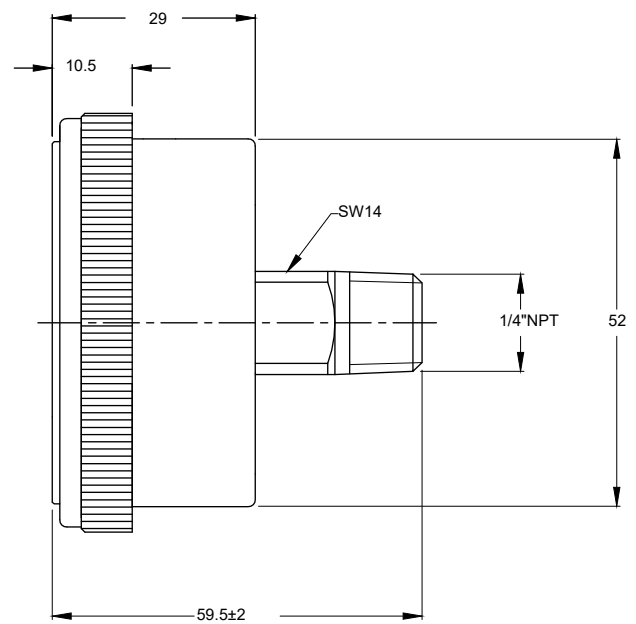
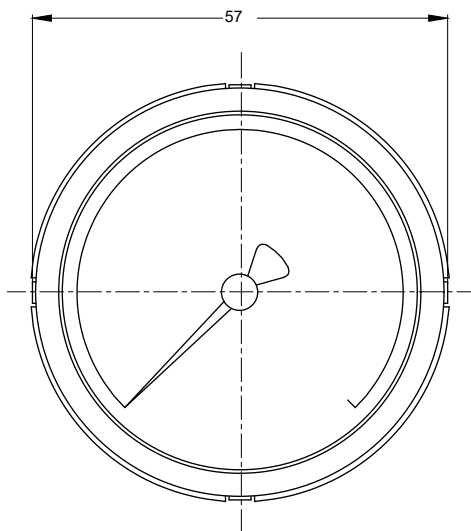
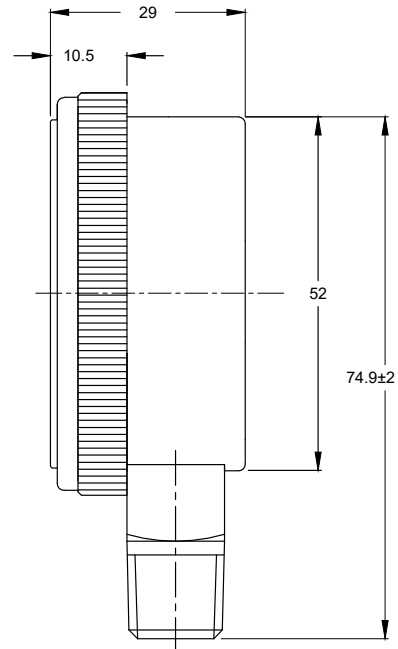
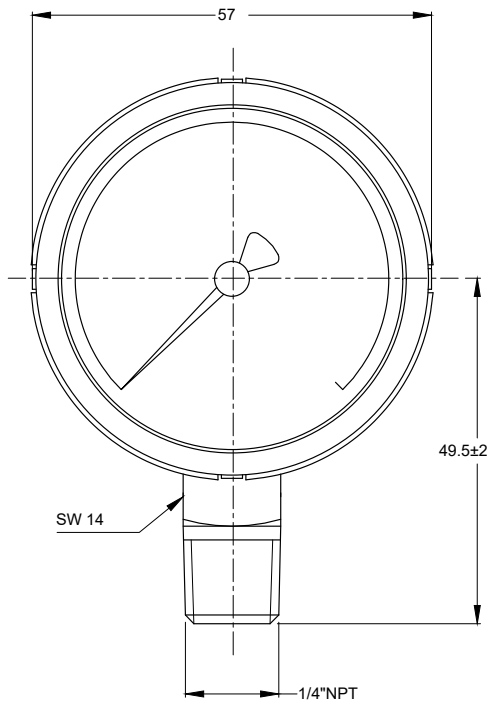
### Material specifications

|                    |                           |                      |
|--------------------|---------------------------|----------------------|
| Socket material    | 316LSS                    | BA per SMEI standard |
| Tube material      | 316LSS                    | BA per SMEI standard |
| Case material      | 304SS, electro-polished   |                      |
| Ring material      | PC                        |                      |
| Lens material      | PC                        |                      |
| Movement material  | 304SS                     |                      |
| Process connection | 1/4"NPT male or 1/4" tube |                      |
| Mounting direction | Bottom or back            |                      |

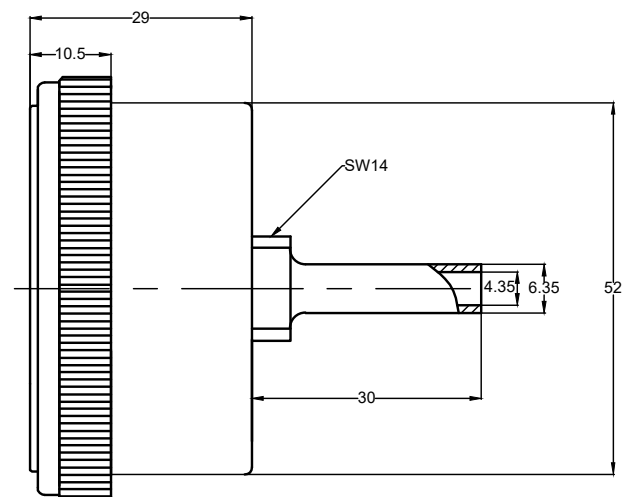
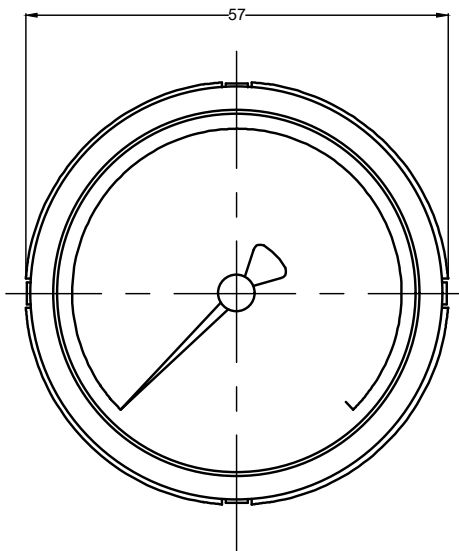
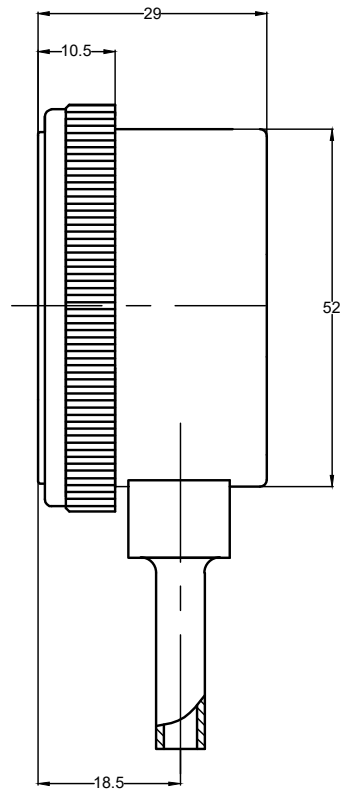
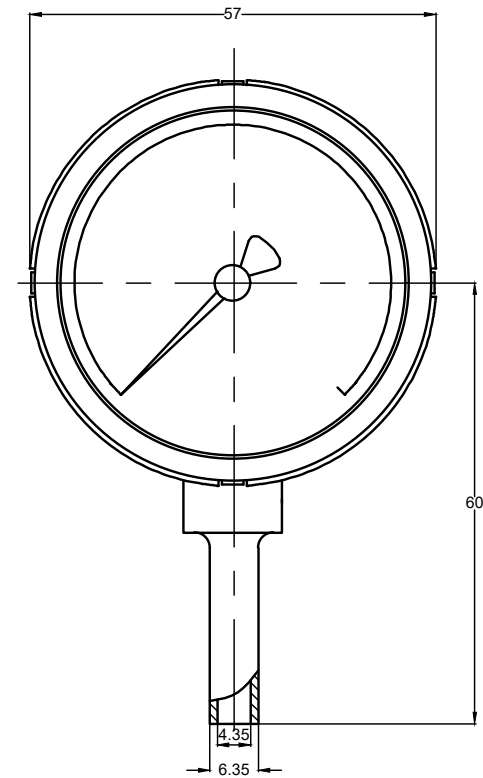
### Standard pressure range

| bar, bar/psi | MPa, MPa/psi | kPa, kPa/psi | psi, psi/bar, psi/MPa, psi/kPa |
|--------------|--------------|--------------|--------------------------------|
| -1-0         | -0.1-0       | -100-0       | -30 " Hg-0                     |
| -1-0.6       | -0.1-0.06    | -100-60      | -30 " Hg-0-15                  |
| -1-1.5       | -0.1-0.15    | -100-150     | -30 " Hg-0-30                  |
| -1-3         | -0.1-0.3     | -100-300     | -30 " Hg-0-60                  |
| -1-5         | -0.1-0.5     | -100-500     | -30 " Hg-0-100                 |
| -1-9         | -0.1-0.9     | -100-900     | -30 " Hg-0-150                 |
| -1-15        | -0.1-1.5     | -100-1500    | -30 " Hg-0-300                 |
| -1-24        | -0.1-2.4     | -100-2400    | 0-15                           |
| 0-1          | 0-0.1        | 0-100        | 0-30                           |
| 0-1.6        | 0-0.16       | 0-160        | 0-60                           |
| 0-2.5        | 0-0.25       | 0-250        | 0-100                          |
| 0-4          | 0-0.4        | 0-400        | 0-160                          |
| 0-6          | 0-0.6        | 0-600        | 0-200                          |
| 0-10         | 0-1          | 0-1000       | 0-300                          |
| 0-16         | 0-1.6        | 0-1600       | 0-600                          |
| 0-25         | 0-2.5        | 0-2500       | 0-1000                         |
| 0-40         | 0-4          | 0-4000       | 0-1500                         |
| 0-60         | 0-6          | 0-6000       | 0-2000                         |
| 0-100        | 0-10         | 0-10000      | 0-3000                         |
| 0-160        | 0-16         | 0-16000      | 0-4000                         |
| 0-250        | 0-25         | 0-25000      | 0-5000                         |
| 0-400        | 0-40         | 0-40000      | 0-6000                         |

### Dimensions in mm



Dimensions in mm



| PHP ordering code |                      |                |                            |
|-------------------|----------------------|----------------|----------------------------|
|                   | Code                 | Specifications |                            |
| 1.                | <input type="text"/> | PHP            | Series                     |
|                   |                      |                | Dial size                  |
| 2.                | <input type="text"/> | 20             | 2" (50mm)                  |
|                   |                      |                | Mounting direction         |
| 3.                | <input type="text"/> | B              | Bottom                     |
|                   |                      | C              | Back                       |
|                   |                      |                | Process connection         |
| 4.                | <input type="text"/> | N              | 1/4"NPT male               |
|                   |                      | T              | 1/4" tube                  |
|                   |                      |                | Pressure range             |
| 5.                | <input type="text"/> | XXXXX          | Refer standard range table |
|                   |                      | Z              | Customized                 |
|                   |                      |                | Option                     |
| 6.                | <input type="text"/> | 0              | None                       |