



**PRESSURE MEASUREMENT**  
**Capsule Gauge - Low Pressure**  
**Type R3: Stainless steel case with brass capsule**  
**Type R4: Stainless steel case with stainless steel capsule**

Data Sheet P CAP3-4

**Service Intended**

Suitable for measuring low pressure / vacuum in gaseous, non-aggressive dry media that does not attack copper alloy or stainless steel parts or will obstruct the pressure system. Typical applications will be in the medical, laboratory, vacuum and filter monitoring industry.

**Case Details**

Nominal Dia: 63, 80, 100, 160mm  
 Material: Stainless steel 304

**Bezel**

Sizes 63, 80 & 100mm Roll ring type - tamper proof.  
 Size 160mm Bayonet locking, twist type - removable.  
 Material: Stainless steel 304

**Pressure Connections**

Material: Type 3: Brass. Type 4: Stainless steel 316  
 Sizes: 63, 80mm nom. dia: 1/8" & 1/4" in BSP or NPT  
 Sizes: 100, 160mm nom. dia: 1/4", 3/8" & 1/2" in BSP or NPT (Position: See "Mounting Configurations".)

**Mounting Flange**

Material: Polished stainless steel 304  
 (Position: See "Mounting Configurations".)

**Pressure Element - Capsule**

Material: Type 3: Cu-alloy.  
 Type 4: Stainless steel 316.

**Pressure Ranges**

0 to 2.5...40 kPa pressure or vacuum  
 (see standard pressure ranges)

**Geared Movement**

Material: Clockwork brass or stainless steel.  
 Special feature: External zero adjustable from the front.

**Pointer**

Collet: Aluminium or brass Blade: Black aluminium

**Dial**

Material: Aluminium, white with black lettering.

**Window**

Plexiglass / polycarbonate.

**Weather Protection**

IP 54

**Working Pressure**

Steady: Full scale value  
 Fluctuating: 90% of full scale value  
*For pulsating pressure, the use of an inlet restrictor is recommended.*

**Accuracy Class**

63mm & 80mm dia: Class 2.5  
 100mm & 160mm dia: Class 1.6

**Operating Temperature**

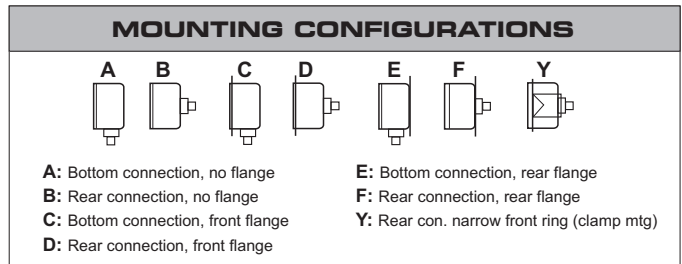
Ambient: -20 °C to + 60 °C  
 Medium: +70 °C

**Optional Extras**

- Calibration Certificate
- Customized scale plates ( customer logo, red line, etc )
- Special Dials, other than standard ( dual scale, bar, psi )
- Colour Coding of dial
- Blow out disc



For dimensional drawing see technical section



**STANDARD PRESSURE RANGES**

Ranges	Figure Interval	Minor Graduations	Ranges	Figure Interval	Minor Graduations
<b>Pressure</b>			<b>Pressure</b>		
0/2.5 kPa	0.5	0.05	0/25 mbar	5	0.5
0/4 kPa	1	0.1	0/40 mbar	10	1
0/6 kPa	1	0.1	0/60 mbar	10	1
0/10 kPa	2	0.2	0/100 mbar	20	2
0/16 kPa	2	0.2	0/160 mbar	20	2
0/25 kPa	5	0.5	0/250 mbar	50	5
0/40 kPa	10	1	0/400 mbar	100	10
<b>Vacuum</b>			<b>Vacuum</b>		
2.5/0 kPa	0.5	0.05	25/0 mbar	5	0.5
4/0 kPa	1	0.1	40/0 mbar	10	1
6/0 kPa	1	0.1	60/0 mbar	10	1
10/0 kPa	2	0.2	100/0 mbar	20	2
16/0 kPa	2	0.2	160/0 mbar	20	2
25/0 kPa	5	0.5	250/0 mbar	50	5
40/0 kPa	10	1	400/0 mbar	100	10

*Customized and other scales such as bar / psi / inHG etc. are available on request*

