



**PRESSURE MEASUREMENT**  
**Test Gauge - Mirror Dial**  
**Type 3: Stainless steel case with brass internals**

Data Sheet P TEST3-4

**Service Intended**

For pressure gauge testing and calibration laboratories. Suitable for media such as air, water, oil & gases that do not attack copper alloy parts.

**Case Details**

Nominal Dia: 160 mm  
 Material: Stainless steel 304

**Bezel**

Bayonet lock, twist type - removable.  
 Material: Stainless steel 304

**Pressure Connections**

Material: Brass or Stainless steel 316  
 Sizes: 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**

Material: CuBe 2

**Geared Movement**

Material: Clockwork brass, wearing part argentan and bearings.

**Pointer**

Collet: Aluminium micro adjustable  
 Blade: Black aluminium

**Dial**

Material: Polished Stainless steel, white with black lettering, mirror scale.

**Window**

Instrument glass or plexiglass.

**Weather Protection**

IP 65 Dust & weather proof.

**Working Pressure**

Steady: Full scale value  
 Fluctuating: 90% of full scale value  
 Short Period: 130% of full scale value  
*For pulsating pressure, the use of an inlet restrictor and/or liquid filling is recommended.*

**Accuracy Class**

0.3% of full scale value.

**Temperature Error**

Additional error when temperature deviates from ambient (+20 °C)  
 Rising temperature: + 0.3% of FSD per 10 °C  
 Falling temperature: + 0.3% of FSD per 10 °C

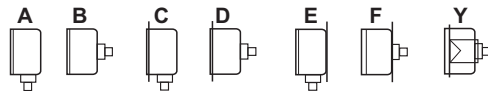
**Optional Extras**

Calibration Certificate  
 Customized scale plates ( customer logo, red line, etc )  
 Special Dials, other than standard ( dual scale, bar, psi )  
 Colour Coding of dial  
 Drag pointer ( maximum set pointer )



For dimensional drawing see technical section

**MOUNTING CONFIGURATIONS**



- A:** Bottom connection, no flange
- B:** Rear connection, no flange
- C:** Bottom connection, front flange
- D:** Rear connection, front flange
- E:** Bottom connection, rear flange
- F:** Rear connection, rear flange
- Y:** Rear con. narrow front ring (clamp mtg)

**STANDARD PRESSURE RANGES**

Ranges	Figure Interval	Minor Graduations	Ranges	Figure Interval	Minor Graduations
<b>Pressure</b>			<b>Pressure</b>		
0/60 kPa	10	1	0/6 MPa	1	0.1
0/100 kPa	20	2	0/10 MPa	2	0.2
0/160 kPa	20	2	0/16 MPa	2	0.2
0/250 kPa	50	10	0/25 MPa	5	0.5
0/400 kPa	100	10	0/40 MPa	10	1
0/600 kPa	100	10	0/60 MPa	10	1
0/800 kPa	100	20	0/100 MPa	20	2
0/1000 kPa	200	20	<b>Vacuum</b>		
0/1600 kPa	200	20	-100/0 kPa	20	2
0/2500 kPa	500	50	<b>Compound</b>		
0/4000 kPa	1000	100	-100/0/150 kPa	50	5
			-100/0/300 kPa	100	10
			-100/0/500 kPa	100	10
			-100/0/700 kPa	100	10
			-100/0/900 kPa	200	20
			-100/0/1500 kPa	500	50
			-100/0/2400 kPa	500	50

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

**HOW TO ORDER USING OUR PART NUMBERS**

T 3 A 160 G 1/2 B 1000 kPa

Casing Type: \_\_\_\_\_

Gauge Type: \_\_\_\_\_

Configuration: \_\_\_\_\_

Dial Size: \_\_\_\_\_

Glycerine filled / Dry: \_\_\_\_\_

Connection Size: \_\_\_\_\_

Pressure Range: \_\_\_\_\_