



<b>PRESSURE MEASUREMENT</b>
<b>Process Industry Use</b>
Type T3: Stainless steel case with brass internals
Type T4: Stainless steel case with stainless steel internals

Data Sheet P T3-4

**Service Intended**

Suitable for media such as air, water, oil & gases that do not attack copper alloy or stainless steel parts or will obstruct the pressure system. Typical applications will be in the hydraulic, pneumatic, refrigeration, steam, chemical and food and beverage industry.

**Case Details**

Nominal Dia: 63, 100, 160, 250mm  
Material: Stainless steel 304

**Bezel**

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

**Pressure Connections**

Material: Type T3: Brass. Type T4: Stainless steel 316  
Sizes: 63 mm dia: 1/8" & 1/4" in BSP or NPT  
Sizes: 100, 160 mm 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**

Material: Type T3: Cu-alloy Type T4: Stainless steel 316

**Geared Movement**

Material: Clockwork brass or stainless steel.

**Pointer**

Collet: Aluminium or brass  
Blade: Black aluminium

**Dial**

Material: Aluminium, white with black lettering.

**Window**

Instrument glass, plexiglass or safety glass.  
( Plexiglass recommended for food applications )

**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**

63mm dia: Class 1.6  
100mm, 160mm & 250mm dia: Class 1

**Operating Temperature**

Ambient: -20 °C to + 60 °C  
Medium: +70 °C ( soldered tube ): + 100 °C ( brazed / tig welded tube ) For live steam use, a syphon tube is recommended.

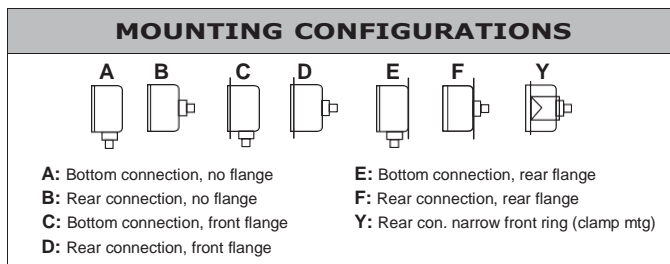
**Optional Extras**

Calibration Certificate  
Customized scale plates ( customer logo, red line, etc )  
Special Dials, other than standard ( dual scale, bar, psi )  
Damped movement ( Vibragaugage )  
Single or double electrical contacts  
Colour Coding of dial  
Drag pointer ( maximum set pointer )  
Micro adjustable pointer  
Diaphragm seals fitted



Type T  
Bayonet Lock Bezel

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	0/6 MPa	1	0.1
0/4 kPa	1	0.1	0/10 MPa	2	0.2
0/6 kPa	1	0.1	0/16 MPa	2	0.2
0/10 kPa	2	0.2	0/25 MPa	5	0.5
0/16 kPa	2	0.2	0/40 MPa	10	1
0/25 kPa	5	0.5	0/60 MPa	10	1
0/40 kPa	10	1	0/100 MPa	20	2
0/60 kPa	10	1	0/160 MPa	20	2
0/100 kPa	20	2	0/250 Mpa	50	5
0/160 kPa	20	2	<b>Vacuum</b>		
0/250 kPa	50	5	-100/0 kPa	20	2
0/400 kPa	100	10	<b>Compound</b>		
0/600 kPa	100	10	-100/0/150 kPa	50	5
0/800 kPa	100	10	-100/0/300 kPa	100	10
0/1000 kPa	200	20	-100/0/500 kPa	100	10
0/1600 kPa	200	20	-100/0/700 kPa	100	10
0/2500 kPa	500	50	-100/0/900 kPa	200	20
0/4000 kPa	1000	100	-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**

Casing Type: \_\_\_\_\_ T 3 A 100 G 1/2 B 1000 kPa  
 Gauge Type: \_\_\_\_\_  
 Configuration: \_\_\_\_\_  
 Dial Size: \_\_\_\_\_  
 Glycerine filled / Dry: \_\_\_\_\_  
 Connection Size: \_\_\_\_\_  
 Pressure Range: \_\_\_\_\_