



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

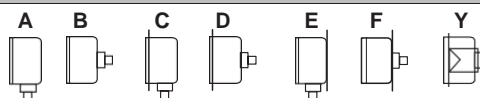
Optional Extras

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
Pressure			Pressure		
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	Vacuum		
0/1600 kPa	200	20	-100/0 kPa	20	2
0/2500 kPa	500	50	Compound		
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

HOW TO ORDER USING OUR PART NUMBERS

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

Casing Type: _____

Gauge Type: _____

Configuration: _____

Dial Size: _____

Glycerine filled / Dry: _____

Connection Size: _____

Pressure Range: _____