



PRESSURE MEASUREMENT
Safety Gauge - Solid Front SF
 Type T3: Stainless steel case with brass internals
 Type T4: Stainless steel case with stainless steel internals

Data Sheet P SF3-4

Service Intended

Safety pressure gauge, with solid front baffle wall, designed with operational safety requirements in mind. 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 chemical, petrochemical, mining, on and offshore process industry.

Case Details

Nominal Dia: 100mm
 Material: Stainless steel 304 with solid front baffle wall and blow-out back.

Bezel

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

Pressure Connections

Material: Type T3: Brass. Type T4: 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: 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

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

Class 1

Operating Temperature

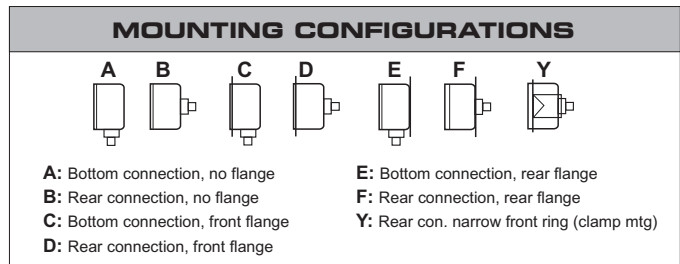
Ambient: -20 °C to + 60 °C
 Medium: +70 °C (soldered tube): + 100 °C (brazed / tig welded tube) For live steam use, a syphon tube is recommended.

Optional Extras

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



For dimensional drawing see technical section



STANDARD PRESSURE RANGES

Ranges	Figure Interval	Minor Graduations	Ranges	Figure Interval	Minor Graduations
0/2.5 kPa	0.5	0.05	0/6 MPa	1	0.1
0/4 kPa	0.1	0.01	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	5	Vacuum		
0/250 kPa	50	5	-100/0 kPa	20	2
0/400 kPa	100	10	Compound		
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	500	50	-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

