

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

wellded 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) Single or double electrical contacts

Colour Coding of dial

Drag pointer (maximum set pointer)

Micro adjustable pointer Diaphragm seals fitted

PRESSURE MEASUREMENT

Process Industry Use

Type T3: Stainless steel case with brass internals

Type T4: Stainless steel case with stainless steel internals

Data Sheet PT3-4



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)

Ranges Figure Interval Minor Graduations Ranges Figure Interval Minor Graduations Pressure 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 0/100 MPa 20 2 0/100 kPa 20 2 0/250 Mpa 50 5 0/160 kPa 20 2 Vacuum 0/250 kPa 20 2 0/250 kPa 50 5 -100/0 kPa 20 2 0/400 kPa 100 10 -100/0/150 kPa 50	STANDARD PRESSURE RANGES						
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Customized and other scales such as bar / psi / inHG etc. are available on request

