



For applications where only indication is desired it is recommended to use dial type thermometers.

These instruments contain a hermetically sealed Mercury filled system. The thermometer utilizes the natural phenomenon of mercury to expand when heated.

The advantage of the use of mercury over any other filling medium is its close to linear coefficient of expansion from -40 Deg C to 600 Deg C.

The instruments are housed in weatherproof die cast Aluminium case or bayonet locking type SS 304 cases.

Die Cast gauges are available in 65 mm, 100 mm, 150 mm and 200 mm dial sizes.

Whereas SS 304 cases are available in 100 mm and 150 mm dial size.

All stainless steel temperature gauges are best suited for use in applications involving corrosive process fluid coupled with hostile and corrosive environment.

These gauges are manufactured in Rigid Stem type for local reading or flexible capillary type for distant reading. All the instruments are provided with case temperature compensation. Gauges with long capillary are provided with capillary compensation for better accuracy.

SPECIFICATIONS:

Dial Size	: 50, 65, 100 and 150 mm
Case	: Bayonet lock SS 304 Die Cast Aluminium
Bezel Ring	: Bayonet lock SS 304 ABS Plastic.
Window	: Plain, Toughened Glass Acrylic Sheet Glass
Dial	: Aluminium, White Base, Black Markings
Pointer	: Balanced, Micro Zero Adjustable for 100 & 150 mm.
Bourdon	: SS 304
Stem /Bulb	: 8, 10, 12 and 16 mm OD in SS 304 / SS 316
Stem length	: 50 mm to upto 3000 mm
Capillary	: Cold Drawn M.S / SS 316 with copper SS 304/ SS 316 protection sleeve.
Cap. length	: 500 mm to upto 10000 mm
Movement	: Non Ferrous / SS 304
Joints	: Argon Arc Welded
Mounting	: Direct Bottom Center or offset back with Front panel or clamp.
Conn. Size	: 3/8", 1/2" & 3/4" BSP/NPT
Ranges	: -35 Deg C to upto 600 Deg C.
Accuracy	:
65 mm	: ±2.0% of FSD
100, 150mm	: ±1.0% of FSD

**STANDARD DUAL RANGES
& LEAST COUNT**

RANGE	LEAST COUNT
-30 + 30	0.5
-30 + 50	1.0
-30 + 60	1.0
-30 + 80	1.0
-30 + 100	1.0
-30 + 120	2.0
-30 + 150	2.0
-20 + 40	0.5
-20 + 60	1.0
-20 + 80	1.0
-20 + 100	1.0
-20 + 120	2.0
-20 + 150	2.0
-10 + 50	0.5
-10 + 60	1.0
-10 + 80	1.0
-10 + 100	1.0
-10 + 120	2.0
-10 + 150	2.0

**STANDARD RANGES &
LEAST COUNT**

RANGE	LEAST COUNT
0-40	0.5
0-50	0.5
0-60	0.5
0-80	1.0
0-100	1.0
0-120	1.0
0-150	2.0
0-200	2.0
0-250	2.0
0-300	5.0
0-400	5.0
0-500	5.0
0-600	5.0

Accessories Available:

Thermowell in screwed and flanged construction.

Also enquire for special fitments such as maximum reading pointer and glycerine filled case.