

Bimetal thermometers applicable to the measurement of pressure and temperature Model: TP100,TP105

Pressure

TP100,radial



TP105,radial



TP100,axial



TP105,axial

The thermomanometer with bimetal system is fitted directly at the measuring point via a stem. The valve allows the measuring instrument to be unscrewed without having to empty the heating system first.

Due to the combination of a pressure gauge and a bimetal thermometer the instrument can be used flexibly in a wide variety of applications.

CE EN837-1

Applications

- Heating systems
- Combi-boilers with hot water and heating

Features

- Combined indication of pressure and temperature
- Scale ranges to 0 ... 16 bar, 0 ... 150 °C

Specifications

Dial size(mm)

63,80mm

Accuracy class

- Pressure: 2.5 (EN 837-1)
- Temperature: ± 2.5 °C

Scale Range

- Pressure: 0 ... 1 to 0 ... 16 bar
 - Temperature: 0 ... 100 to 0 ... 150 °C
- Or all other equivalent vacuum or compound pressure and vacuum ranges

Pressure limitation

- Pressure: Steady: $\frac{3}{4}$ x full scale value
Fluctuation : $\frac{2}{3}$ x full scale value
Short time : Full scale value
- Temperature: Full scale value



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Model: TP100,TP105

Specifications

Process connection

G1/2B (male thread), 22mm flats
Installation in radial or axial direction

Pointer

Aluminium, black

Measuring element

- Pressure: bourdon tube, copper alloy
- Temperature: bimetal coil, copper alloy

Case

TP100: ■ Plastic, black
■ Iron, with black paint ,upper cover electroplated
TP105: Iron, with black paint ,upper cover electroplated

Movement

Copper alloy

Window

Polycarbonate

Dial

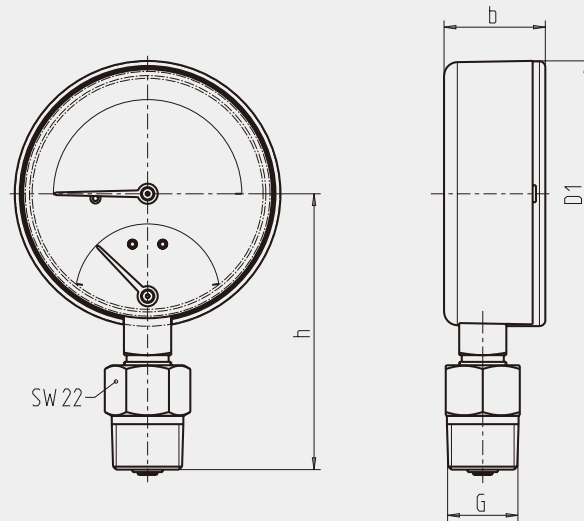
- Aluminium, white, black lettering
- Pressure scale marked in blue, temperature scale marked in red



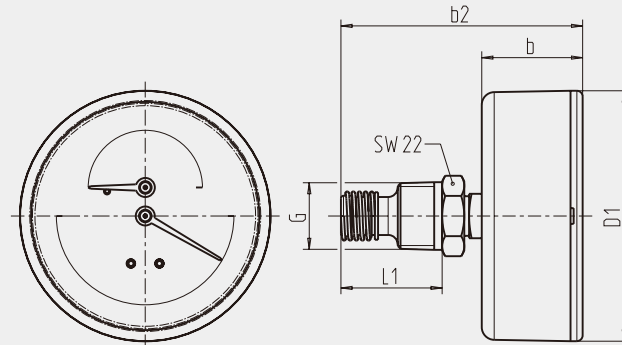
Model: TP100,TP105

Dimensions in mm

TP100-80 Bottom mount(radial) (L)



TP100-80 Back mount(axial) (B)

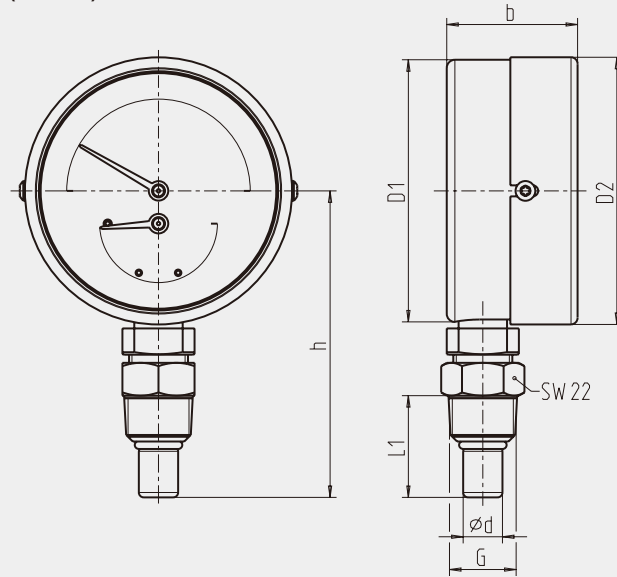


Model	NS	Dimensions in mm									Weight (kg)
		b	b2	d	D1	D2	G	h	L1	SW	
100	80	30	-	-	79	-	R1/2 ISO 7	82	-	22	0.2
100	63	29	74	-	62	-	R1/2 ISO 7	-	32	22	0.2
100	80	32	76	-	79	-	R1/2 ISO 7	-	32	22	0.2

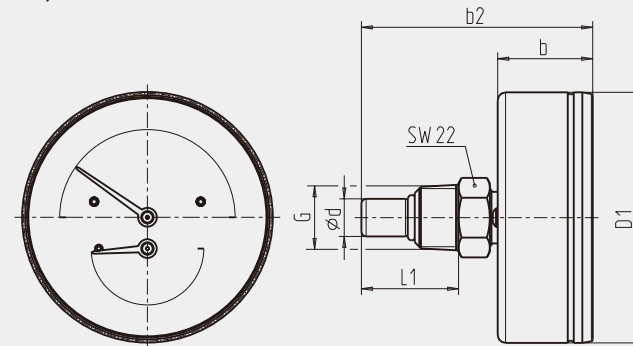
Model: TP100,TP105

Dimensions in mm

TP105-80 Bottom mount(radial) (L)



TP105-80 Back mount(axial) (B)



Model	NS	Dimensions in mm									Weight (kg)
		b	b2	d	D1	D2	G	h	L1	SW	
105	80	40	-	12	80	81.5	R1/2 ISO 7	94	31	22	0.3
105	63	30	74	12	63	-	R1/2 ISO 7	-	31	22	0.2
105	80	30	74	12	80	-	R1/2 ISO 7	-	31	22	0.3

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Model

TP100
TP105

Dial size(mm)

(63)-63mm (50)-50mm
(80)-80mm

Process connection location

(L)-Bottom mount(radial)
(B)-Back mount(axial)

Case material

(M10) - Plastic, black (M11) - Iron, with black paint ,upper cover electroplated

Process connection sizes

(04) -G1/2B (male thread), 22mm flats (T13) -No external temperature package connector

Option

(N/A) -" " (B21)- Pressure 2.5, Temperature ± 2.5

Scale Range

■ Pressure: 0 ... 1 to 0 ... 16 bar

■ Temperature: 0 ... 100 to 0 ... 150 °C

Or all other equivalent vacuum or compound pressure and vacuum ranges

The display on the dial can be customized according to specific requirements

