

MERCURY FILLED TYPE

Special Features:

Stainless steel case & measuring system
Bottom / Back / Every Angle Entry
Dry or Liquid Filled
Mercury Filled Expansion System

Applications:

Food & beverage, pharmaceutical, cryogenics, chemical & petrochemical industries, conventional & nuclear power Plants, pumps, hydro-cleaning machines, presses, engine Compressors, turbines, diesel engines & refrigerating plants.



Specifications:

Standard Version: 100mm, 150mm

Accuracy	: Class 1 as per EN 13190
Ambient temperature	: - 25°C to + 65°C
Process pressure	: 15 kg/cm ² (Without Thermowell)
Over Range Limit	: 130% of the Scale Value or 650°C, whichever is minimum
Stem Diameter	: 6mm / 8mm / 10mm / 12mm

Case	: AISI 304 SS
Ring	: AISI 304 SS, Bayonet Lock
Stem	: AISI 316 SS
Connexion	: AISI 316 SS
Movement	: AISI 304 SS
Joints	: Tig Argon Arc Welding

Protection	: IP 65
Dial	: Aluminium, black graduation on white background
Pointer	: Aluminium, black coloured fixed pointer
Window	: Sheet Glass
Gasket	: Neoprene

RANGE TABLE:

Note : Omicron offers National / International Scales like °C, °F, °K. Dual scales in °C and °F scales can be provided on request. Following are the example ranges in °C

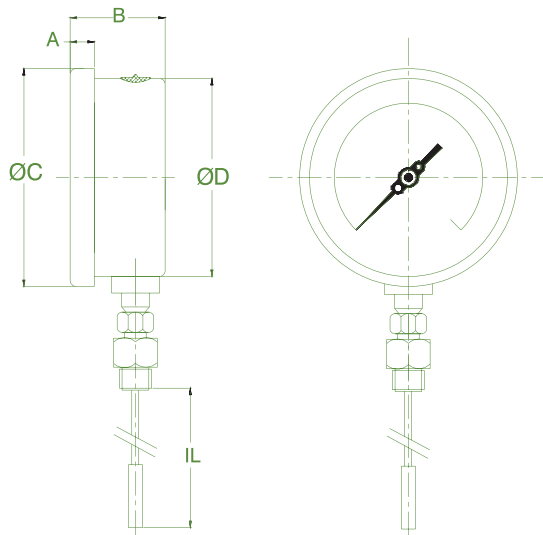
POSITIVE RANGE SINGLE SCALE IN °C

RANGE	RANGE	RANGE	RANGE	RANGE
0/50	0/100	0/200	0/400	0/600
0/60	0/120	0/300	0/500	0/650
0/80	0/150			

COMPOUND RANGE SINGLE SCALE IN °C

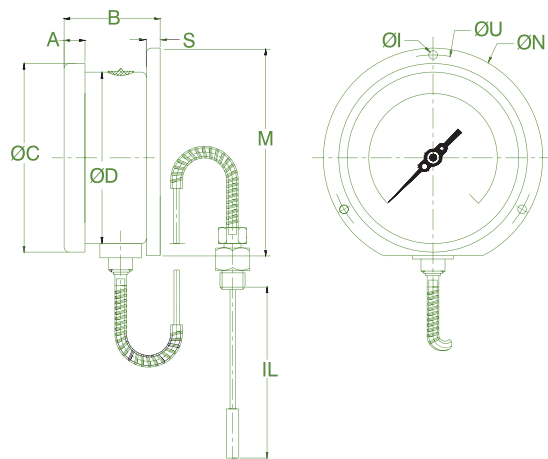
RANGE	RANGE	RANGE	RANGE	RANGE
-80/70	-40/60	-40/40	-30/70	-30/120
-50/50	-20/60	-30/50	-20/40	-30/170
-80/40	-20/80	-20/180	-20/80	-20/100

⚙️ Type 1



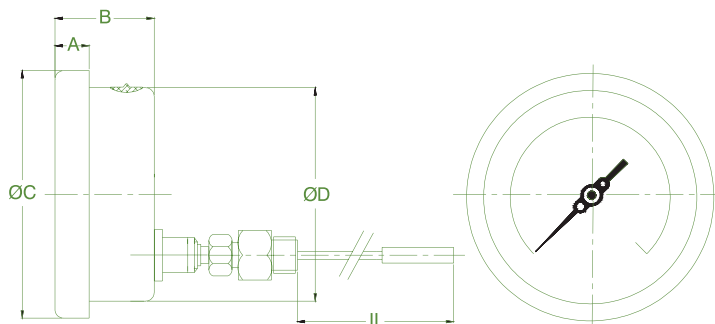
NS	A	B	ØC	ØD	IL
100	12.5	48	110	100	*
150	15	48	161	149	*

⚙️ Type 2



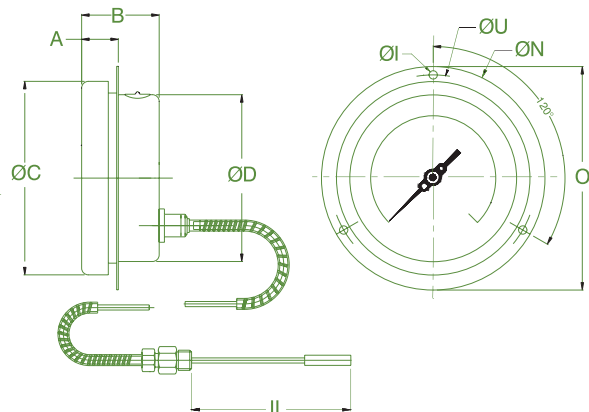
NS	A	B	ØC	ØD	S	M	IL	ØI	ØN	ØU
100	12.5	48	110	100	6	128	*	118	134	6
150	15	49	161	149	5.5	177	*	168	186	6

⚙️ Type 3



NS	A	B	ØC	ØD	IL
100	12.5	48	110	100	*
150	15	48	161	149	*

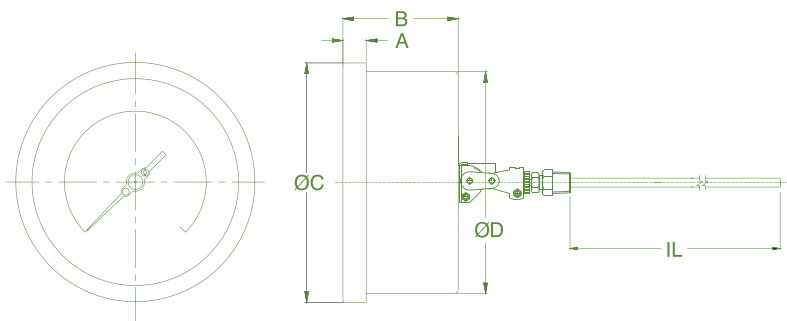
⚙️ Type 4



NS	A	B	ØC	ØD	S	IL	ØI	ØN	ØU
100	12.5	48	110	100	1	*	118	134	6
150	15	49	161	149	5	*	168	186	6

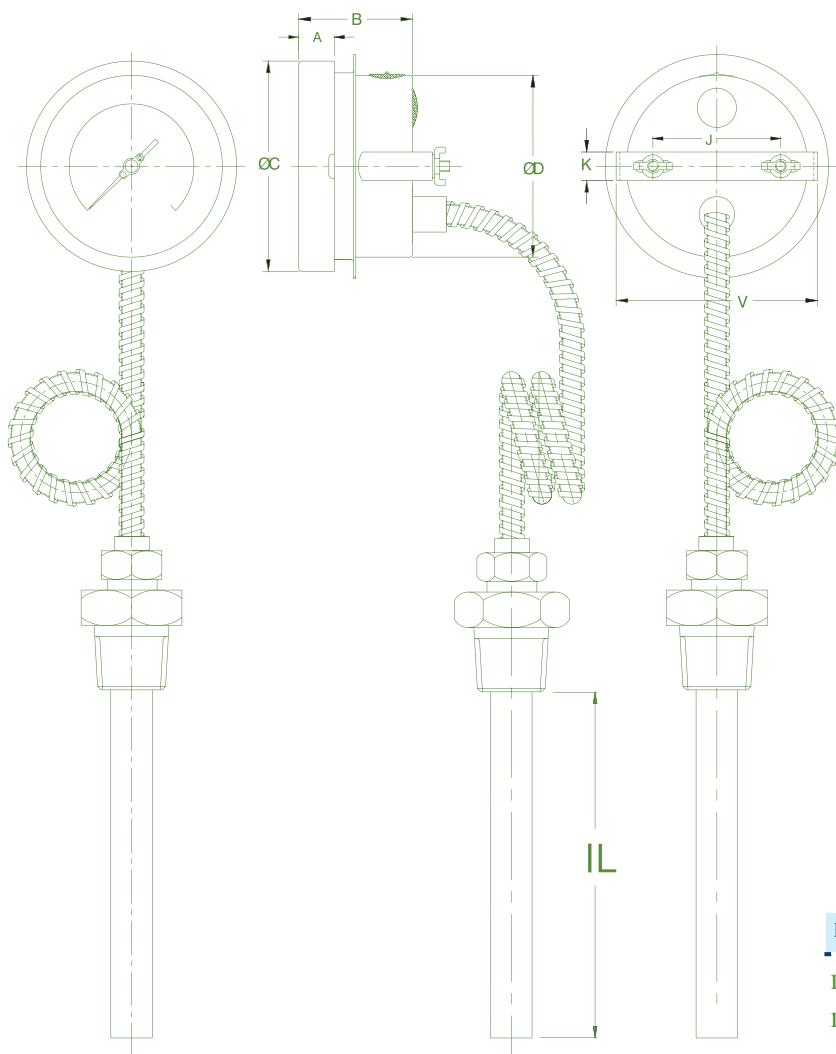
Notes : • Drawings are not to scale. • All Dimensions are in mm.

⚙️ Type 7



NS	A	B	ØC	ØD	IL
100	12.5	48	110	100	*
150	15	48	161	149	*

⚙️ Type 8



NS	A	B	ØC	ØD	IL	J	K	V
100	12.5	48	110	100	*	66.5	16	106
150	15	49	161	149	*	165	16	208

HOW TO ORDER

Basic Model:

TGMS

CODE	C	D	C
Nominal Size(mm)	100	150	1

Type Of Mounting:

1

- DIRECT BOTTOM ENTRY
- WALL / SURFACE / PROJECTION MOUNTING WITH BOTTOM ENTRY
- DIRECT LOWER BACK ENTRY
- FLUSH PANEL BACK ENTRY WITH FRONT FLANGE
- EVERY ANGLE BACK ENTRY (WITHOUT CAPILLARY)
- BACK ENTRY WITH MOUNTING BRACKET

(Other types of mounting can be provided on request.)

Process Connection:

10N

10B	3/8" BSP (M)	15B	1/2" BSP (M)
10BT	3/8" BSPT (M)	15BT	1/2" BSPT (M)
10N	3/8" NPT (M)	20N	3/4" BSP (M)
15N	1/2" NPT (M)	20B	3/4" BSP (M)

Note : Connections like PT/PF/Flaired /UNF/Q/R etc.can be provided on request.
Non standard connections can be provided through adaptors.

Connection Type:

AC

FC	Fixed Connection	AC	Adjustable Connection
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Stem Diameter:

6mm

6mm	6mm Diameter	8mm	8mm Diameter	10mm	10mm Diameter	12mm	12mm Diameter
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Total Stem Length (Below Case):

L300

L Indicate Total Stem Length in mm (Including Immersion and Extension Length)

Range:

0 - 100°C

Refer Range Table

Capillary Type:

A4

NC	Without Capillary	A4	AISI 304SS Armoured Capillary
S4	AISI 304SS Capillary	A6	AISI 316SS Armoured Capillary
S6	AISI 316SS Capillary		

Capillary Type:

C 1.5mtr

C Indicate Total Capillary Length in metres.

Options:

GT

SC	AISI 316 SS Case & Ring	DD	Custom Designed Dial
GP	Plexi Glass	DT	Dial Tag Marking
GS	Shatterproof / Safety Glass	ST	SS Tag Plate
GT	Toughened Glass	FP	Five Point Factory Calibration Certificate

Ordering Example:

TGMS-C1-10N-AC-6mm-L300-0/100C-A4-C1.5mtr-GT

Note : Due to continuous improvement, the specification may vary from time to time.

For non standard products/optional items, please contact factory for delivery and minimum quantity of order.