

Gas-Actuated Thermometers, every angle

All Stainless Steel, Case with Bayonet Ring

Ø 63 mm (2 ½"), Ø 100 mm (4") and Ø 160 mm (6")

Standard or Liquid Filled (L)

Models :
TGIE / TGIEL
63 / 100 / 160

STANDARD VERSIONS

Measuring Unit

With nitrogen filling
(inert gas, physiological harmless)

Accuracy (EN 13 190)

Class 1

Case

With bayonet ring, 1.4301 (304 stainless steel)

Case Protection Type (EN 60 529 / IEC 529)

IP 65

Case Filling

For model TGIEL : silicone oil

Nominal Case Sizes

63, 100, 160 (mm) (2½", 4", 6")

Case Configuration

Connection Temperature

sensor (stem): pivot / every angle

Stem position: centre back position,
compared to the case adjustable by 135°,
turnable by 360°

Mounting device : without

Temperature Ranges (EN 13 190)

Temperature differences from 80 K to 600 K

Temperature Sensor (Stem)

1.4571 (316 stainless steel),

max. static operating pressure: 25 bar

Stem models optionally: A1, A3, A4, A4.1, A5 or A6,

Stem- Ø dF: 6, 8, 10 or 12 mm

Stem length L: Lmin resp. L1min up to max. 2.50 m

Please regard the minimum stem length against the active length (La) and stem model, see page 3.

Window

Instrument glass

Movement

Brass/German silver

Dial

Aluminum, black figures, white background

Pointer

Aluminum, black

Zero Adjustment (± 6%)

Externally by a screw



SPECIAL VERSIONS AND FURTHER OPTIONS AMONG OTHERS

- Other stem models, stem-Ø, connection thread and materials upon request
- Other temperature ranges and/or special scales, e.g. double scale °C/°F, coloured fields or areas, dial inscriptions, etc.
- Min.- or max.- drag indicator upon request
- Case parts 1.4404 (316 stainless steel) upon request

ACCESSORIES

Mechanical:

Thermowells or flange thermowell see pages 49 and 50

Electronical:

Limit switch contact assemblies, see page 17

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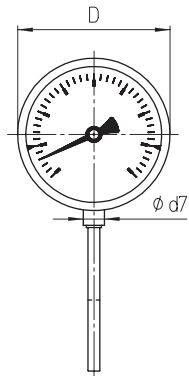
Ø 63 mm (2 ½"), Ø 100 mm (4") and Ø 160 mm (6")

Standard or Liquid Filled (L)

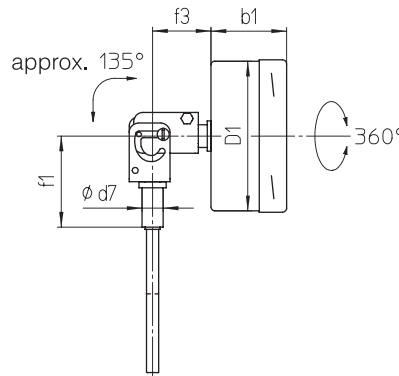
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Dimensional Data and Weights

Centre Back Stem Position, with pivot / every angle

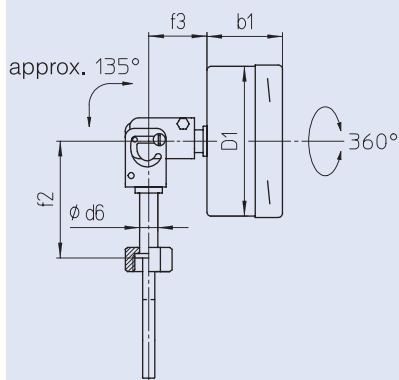


A1
also A5

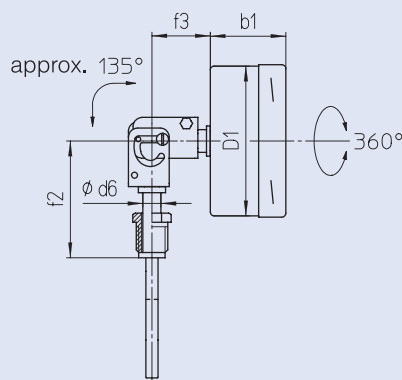


A1
also A5

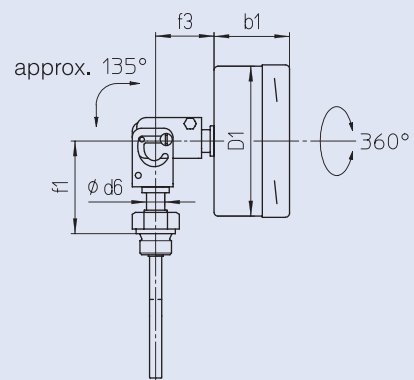
Further Stem Models



A 3
also A6



A 4



A 4.1

Dimensional Data (mm / inches) and Weights (kg / lb) *

NCS	b1	D	D1	d6	d7	f1	f2	f3	approx. weight *	
									TGIE	TGIEL
63 2½"	39 1.54	64 2.52	62 2.44	12 .47	14 .55	63 2.48	80 3.15	40 1.57	0.36 0.79	0.44 0.97
100 4"	50 1.97	101 3.98	99 3.9	12 .47	14 .55	63 2.48	80 3.15	40 1.57	0.58 1.28	0.84 1.85
160 6"	50 1.97	161 6.34	159 6.26	12 .47	14 .55	63 2.48	80 3.15	40 1.57	0.92 2.03	1.64 3.62