

Badotherm gasfilled model BDTR1 series thermometer is available as 63/80/100 mm.

These gasfilled thermometers are suitable for refrigeration applications and are only produced in standard execution in large quantities. Minimum order quantity for these thermometers is 500 pieces.



refrigeration gasfilled thermometers

mounting variations

- type A bottom connection, direct mounting
- type C surface mounting, bottom connection
- type D back connection, direct mounting
- type E panel mounting, back connection
- type F panel mounting, bottom connection
- type BDTGE every angle connection, direct mounting

technical specification model BDTR1

diameter	dial	window	ranges
63/80/100 mm	aluminium	glass	from -40/40 °C
casing	stem	element	connection
AISI304	AISI316	elastic spring	none
bezel	stem dia	pointer	accuracy
AISI304	8 mm	adjustable slotted	2.0% FSD

options and special executions at extra costs

casing	dia 80 mm with plastic casing
bezel	dia 80 mm with plastic bezel
window	plastic
dials	customized -i.e., non standard ranges or logos
certificates	calibration-; conformity-; material
manuals	installation and maintenance
connection	NPT, MM, BSPT, acc JIS in various sizes
connection type	adjustable fitting
connection position	top or side
red pointer	on dial

BDTR1 - technical data sheet

operating details

working range

limitations	
Permanent	measuring range per DIN 13 190
Short time (≤ 1 h)	1,1 x measuring range

temperature limitations

	ambient	process
without filling	-40 °C to 60 °C	-40 °C to 40 °C

pressure rating of stem

25 bar maximum (without thermowell)

design information

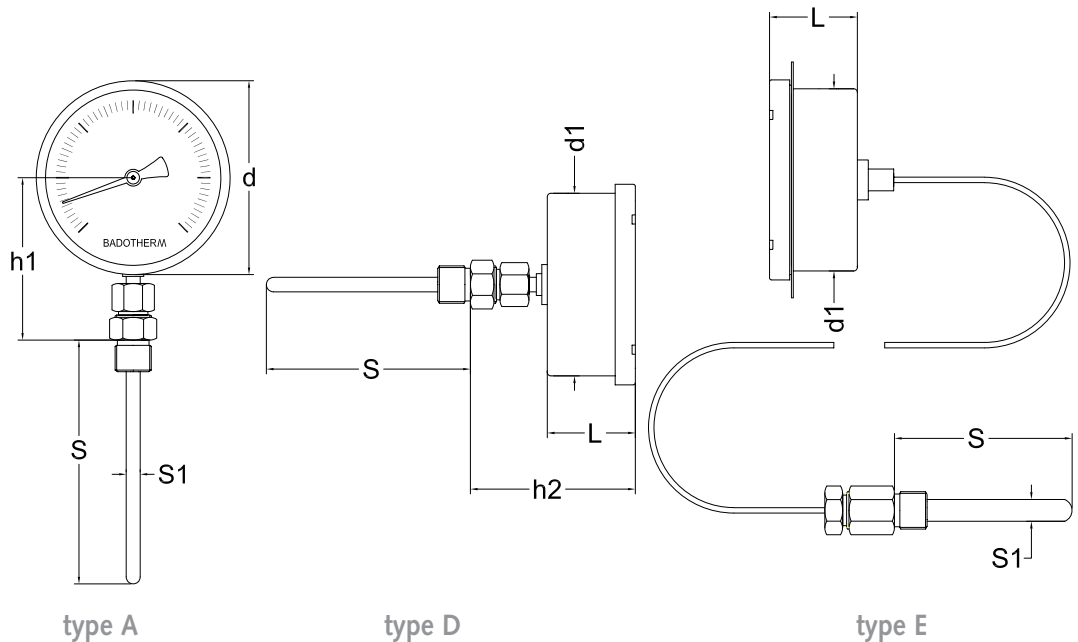
ingress protection

IP 54 per EN 60 529 / IEC 529

design

DIN 13 190

drawings



type A

type D

type E

dimensions

ns	d	d1	L	h1	h2	S	S1
63						to specify	
100						to specify	
160						to specify	

Note : dimensions are in mm