


BDTP18

Badotherm gasfilled model BDTP18 series thermometer is available as 100/160 mm. These gasfilled thermometers are suitable for measurement of exhaust temperatures on engines and meet the highest standards of measurement technique.

The standard connection on these thermometers is an adjustable fitting in order to give more flexibility to stem length immersions.

stainless steel gasfilled exhaust thermometer

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 BDTP18

diameter 100/160 mm	dial aluminium	window glass	ranges from 0+650 °C
casing AISI304 bayonet	stem AISI316	element elastic spring	connection 1/2" bsp adjustable
bezel AISI304 bayonet	stem dia 12 mm	pointer adjustable micro	accuracy 1.0% FSD

Note: standard without anti vibration spring

options and special executions at extra costs

casing	AISI316
bezel	AISI316
window	safety glass
dials	customized -i.e., non standard ranges or logos
certificates	calibration-; conformity-; material
manuals	installation and maintenance
connection	NPT, METRIC, BSPT, acc JIS in various sizes
connection type	fixed or without connection
connection position	top or side
red pointer	on dial
filling	glycerine, silicone, fluorolube up to 160 °C
stem diameters	3/8" / 1/2" / 8 mm / 10 mm
special version	with anti vibration spring

BFTP18 - technical data sheet

operating details

working range

limitations	
Permanent	measuring range per DIN 13 190
Short time (≤ 1 h)	1,2 x measuring range up to 500 °C
	1,1 x measuring range beyond 500 °C

temperature limitations

	ambient	process
without filling	-40 °C to 60 °C	0 °C to 650 °C
glycerine filling	-25 °C to 60 °C	15 °C to 80 °C
silicone filling	-40 °C to 60 °C	0 °C to 250 °C

pressure rating of stem

25 bar maximum (without termowell)

design information

ingress protection

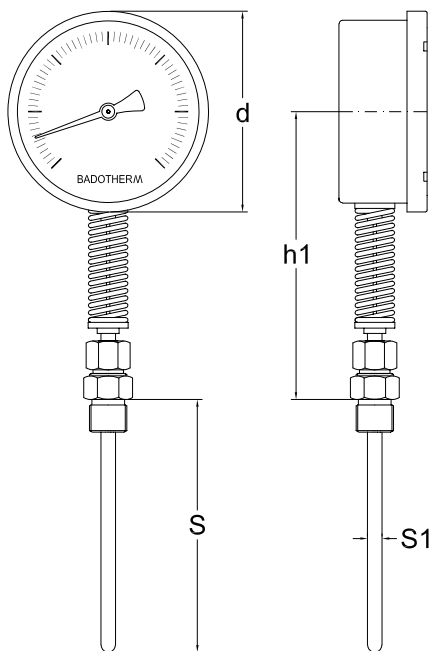
IP 54 per EN 60 529 / IEC 529

IP 65 per EN 60 529 / IEC 529 (liquid filling only)

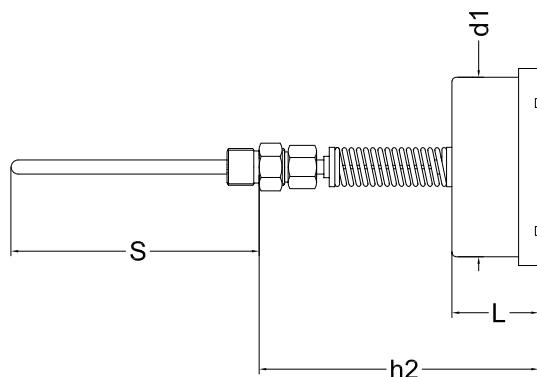
design

DIN 13 190

drawings



type A



type D

dimensions

ns	d	d1	L	h1	h2	S	S1
100	110	100	49	175	174	to specify	12
160	160	149	50	200	175	to specify	12

Note : dimensions are in mm