

SANGAN gas filled model TG32 series thermometer is available as 100/160 mm and has a contact built on the dial which is closed with a high bayonet ring. Standard with 1 meter wire pvc. These gasfilled thermometers are suitable for corrosive media and environments in chemical process, petroleum and food industries. The standard connection on these thermometers is an adjustable fitting in order to give more flexibility to stem length immersions.



TG32/A

contact stainless steel gasfilled 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 console mounting, bottom connection
- type BDTGE every angle connection, direct mounting

technical specification model TG32

diameter 100/160 mm	dial aluminium	window glass	ranges from -80/650 °C
casing AISI304 bayonet	stem AISI316	element elastic spring	connection 1/2" bsp adjustable
bezel AISI304 bayonet	stem dia 12 mm	pointer fixed	accuracy 2.0% FSD



TG32/D

Note: snap-action contacts by magnets.
available with single or double acting contacts.
contacts built on the dial.

options and special executions at extra costs

casing	AISI316
bezel	AISI316
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	without connection
connection position	top or side
stem diameters	1/4" / 3/8" / 1/2" / 6 mm / 8 mm / 10 mm
separate wells	see index 2.3.
accuracy	1% for inductive contacts
low action contacts	S1/S2/S3/S11/S12/S22/S33
magnet contacts	M1/M2/M3/M11/M12/M22/M33
inductive contacts	I1/I2/I11/I12/I21/I22

TG 32 - technical data sheet

operating details

working range

	limitations
Permanent	measuring range per EN 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	-80 °C to 650 °C
glycerine filling	-25 °C to 60 °C	15 °C to 80 °C
silicone filling	-40 °C to 60 °C	-45 °C to 250 °C

pressure rating of stem

25 bar maximum (without termowell)

design information

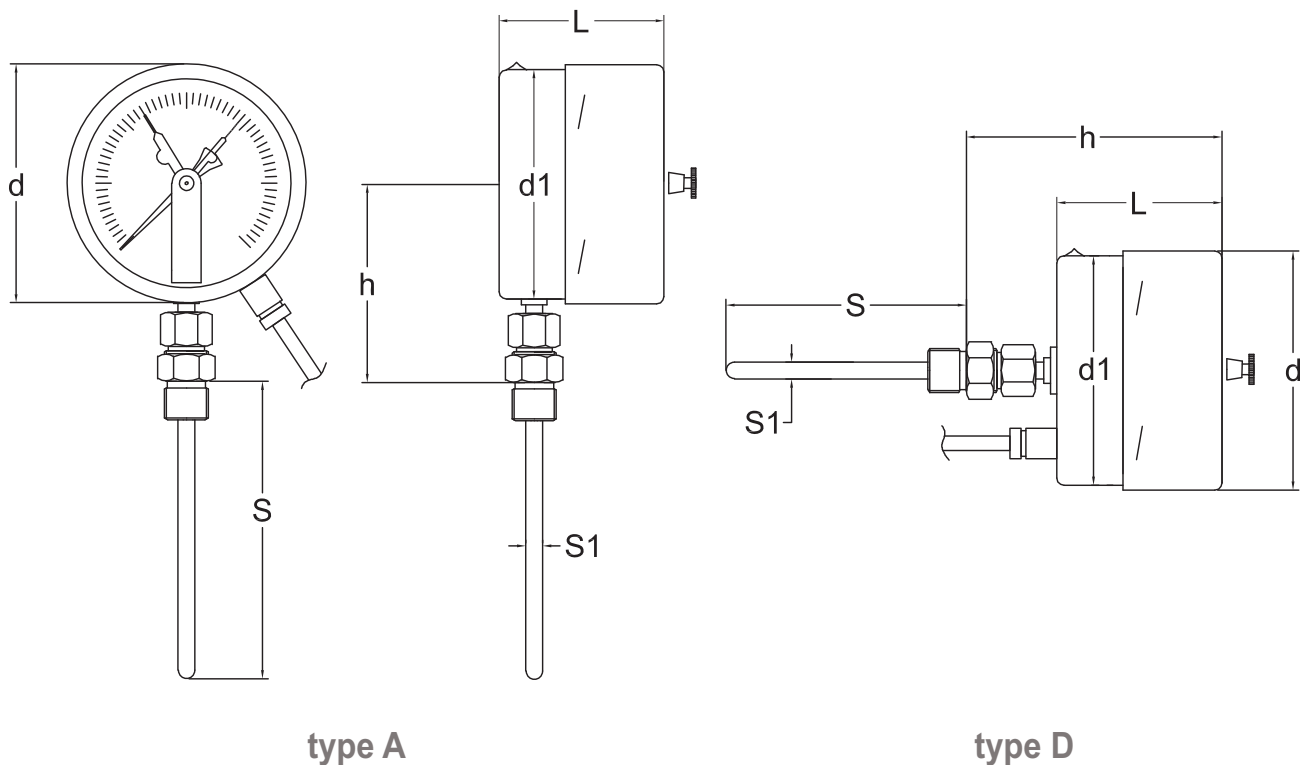
ingress protection

IP 54 per EN 60 529 / IEC 529

design

EN 13 190

drawings



Note: wiring side for dia 100 mm
wiring back for dia 160 mm

dimensions

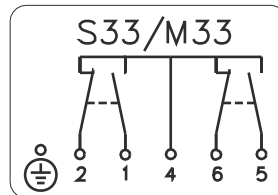
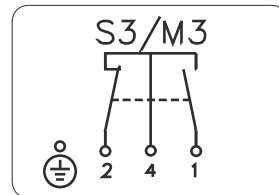
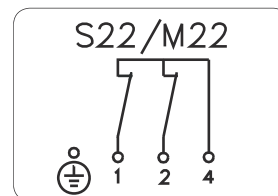
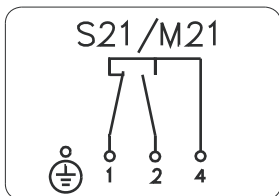
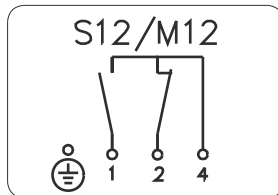
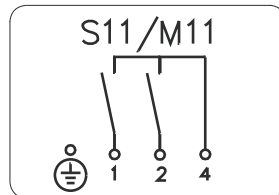
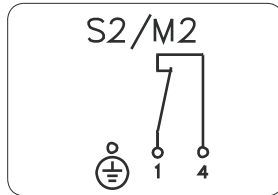
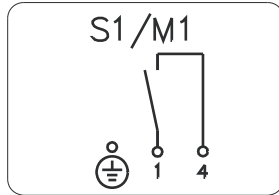
ns	d	d1	L	h1	h2	S	S1
100	110	100	49	100	131	to specify	to specify
160	160	149	50	130	145	to specify	to specify

Note : dimensions are in mm

Tg32 - technical data sheet

electrical wiring for contact gauges

low action/magnetic contacts



inductive contacts

