

FILLED TYPE THERMOMETERS W/MICRO SWITCH

SME4/SAE4(Ø100) & SME6/SAE6(Ø150)

Technical Data

Remot Mounting Type

Material of Case & Cover: 316 Stainless Steel, option available

Material of Sensor Bulb Capillary Tube, Flex Tube:

SS304, SS316, and others available

Lens: Glass, safety glass available

Range Limit: -200 ~ +600°C, option available

Housing Enclosure: IP65, liquid filled available

Accuracy: ±1%(FS) gauge indication; ±2%(FS) with switch

Capillary Tube Length Limited: Liquid filled type: 10M;

Gas filled type: max. 50M; option available

Stem Dimensions: Ø6, 8, 10, 12mm available

Process Connection: ½"NPT standard; other available

Over Range Protectino: 130% F.S.

Switch Form: One setting point SPDT x 1 or Two setting point SPDT x 2

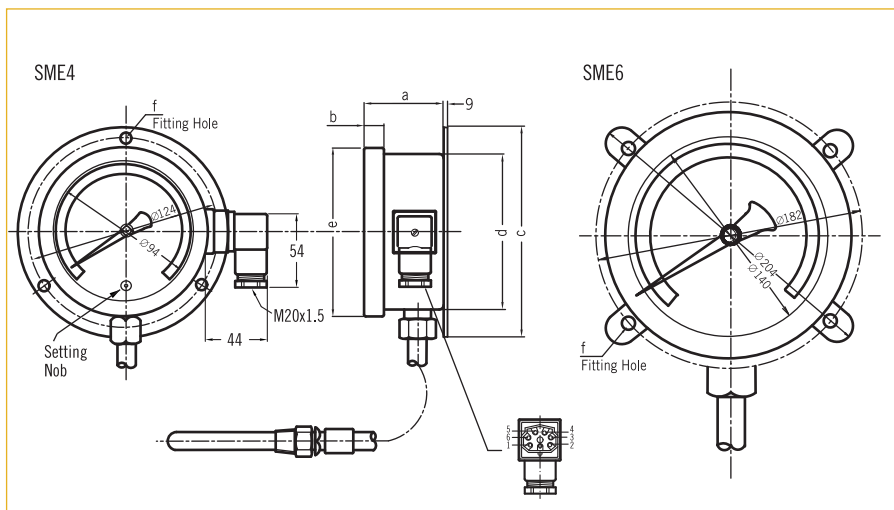
Set Point: Full scale range available

Switch Data:

	AC Load	DC Load
Nominal Operating Voltage	250 VAC max.	28 VDC max.
Current	5A max.	5A max. (ohmic load) 3A max. (inductive load)
Contact Material	Pure silver 999.9	Pure silver 999.9
Ambient Temperature	-20°C ~ +70°C	-20°C ~ +70°C



Dimensions

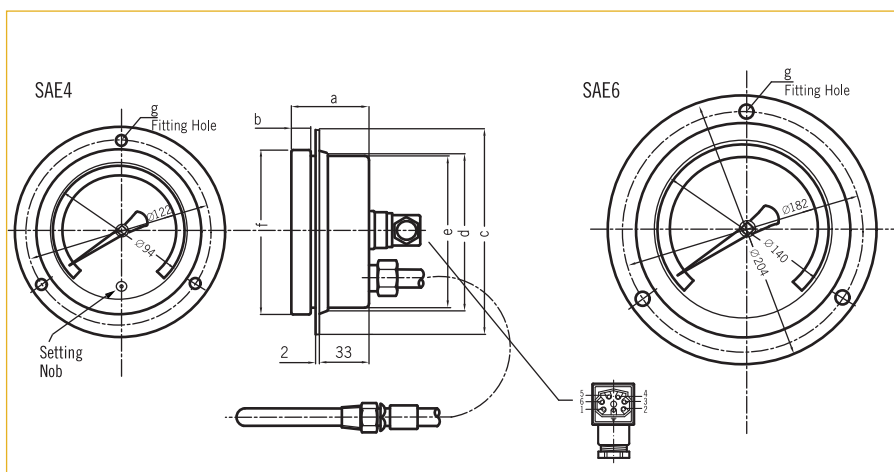


Symbol	a	b	c	d	e	f
Model						
SME4	51	13	138	103	113	3-Ø5.5
SME6	52	15	204	153	165	4-Ø8

*Sensor bulb and connection consult to factory.

*Remote capillary length:

Maximum length: 50M



Symbol	a	b	c	d	e	f	g
Model							
SMA4	54	13	134	107	102	113	3-Ø5.5
SMA6	54	15	200	153	153	165	3-Ø7

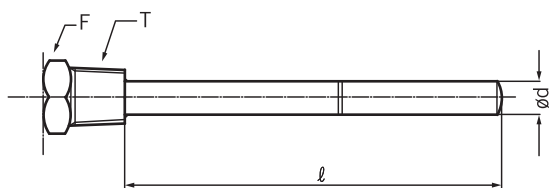
*Sensor bulb and connection consult to factory.

*Remote capillary length:

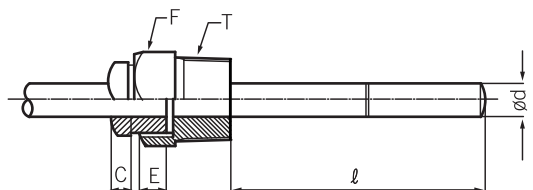
Maximum length: 50M

unit=mm

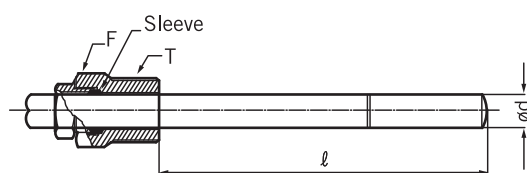
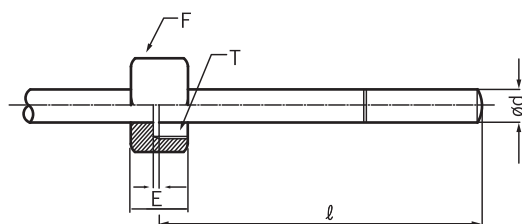
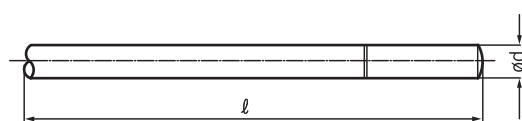
Connection Type



(A) Fixed Thread Type



(B) Rotary Thread Type

(C) Slide Thread Type
(Length "l" changed available.)(D) Female Thread Type
(Rotation Style)

(E) Non Thread Type

T: Process connection
E: Stop plate for (rotary & rotation style)
F: Hexagonal head
l: Sensor length
d: Sensor dimension

Table for Range and Stem

LIQUID FILLED TYPE

Standard Scale Range (°C)	Minor Division (°C)		Minimum Stem Length (mm)			
			Outer Diameter of Stem			
	Ø100	Ø150	Ø6	Ø8	Ø10	Ø12
-70~+50	2	2		90	80	80
-50~+50	1	1		100	90	90
-30~+50	1	1	205	110	90	90
-30~+100	2	2	130	90	80	80
-10~+50	1	1	270	120	110	110
-10~+100	2	2	155	90	80	80
0~50	1	1	325	140	120	120
0~80	1	1	205	110	90	90
0~100	1	1	165	100	90	90
0~120	2	2	140	90	80	80
0~150	2	2	115	80	70	70
0~200	2	2	90	90	70	70
0~250	5	5	75	80	70	70
0~300	5	5	65	80	70	60
0~400	5	5	50	70	60	60

GAS FILLED TYPE

Standard Scale Range (°C)	Minor Division (°C)	
	Ø100	Ø150
-200~+50	5	5
-200~+100	5	5
-200~+150	5	5
-200~+200	5	5
-100~+100	2	2
-100~+150	5	5
-100~+200	5	5
-50~+300	5	5
-50~+400	5	5
-50~+500	10	10
-50~+600	10	10
0~400	5	5
0~500	10	10
0~650	10	10

Minimum Stem Length

mm	Ød	Ø10	Ø12
Minimum length		270	200

OPTION.

1. Special range available upon request.
2. Special scale available upon request.
3. Special stem diameter and length available upon request.

TEMPERATURE

153

153

153