

TEMPERATURE SWITCH EXPLOSION PROOF

ETS5000

CLASS I, GROUPS B, C & D
CLASS II, GROUPS E, F & G; Class III; Type 4
Temperature: -200 ~ +650°C

Technical Data

Type	Liquid Filled Type	Gas Filled Type
Model	ETS5000-L	ETS5000-G
Temperature Range	-70 ~ +400°C	-200 ~ +650°C
Remote Capillary Length	30M	50M
Electric Contact	1~2 Contacts	
Microswitch Type S.P.D.T	Nominal Operating Voltage: 250 VAC max. Current: 3A (Code 1) / 5A (Code 2)	
	Nominal Operating Voltage: 125 VAC max. Current: 5A max.	
Alternatively Switch Data	Nominal Operating Voltage: 30 VDC max. Current: 3A max. (inductive load) Contact Material: Pure Silver 999.9 Ambient Temperature: -20°C~+60°C	
Explosion Proof Class	Class I, Groups B, C & D; Class II, Groups E, F & G; Class III; Type 4	
Material of Case & Cover	Aluminum alloy die-casting, Bule color	
Gauge Indication Accuracy	±1% F.S	
Switch Acting Differential	±1.6~3% F.S	
Contact Adjusting Method	Internal Adjusting Method	
Conduit Connection	½" or ¾" NPT(F)	
Process Connection	½" or ¾" NPT Male	
Sensor Material	Wetted Parts are all in SS316	



Approvals:



TD0400TJ
工電(2016)第00277號
工電(2016)第00278號

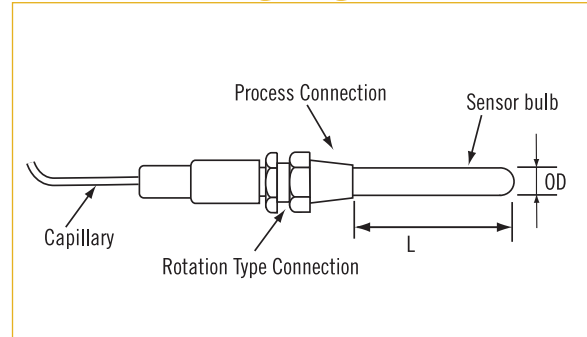
Patent No.

M337067

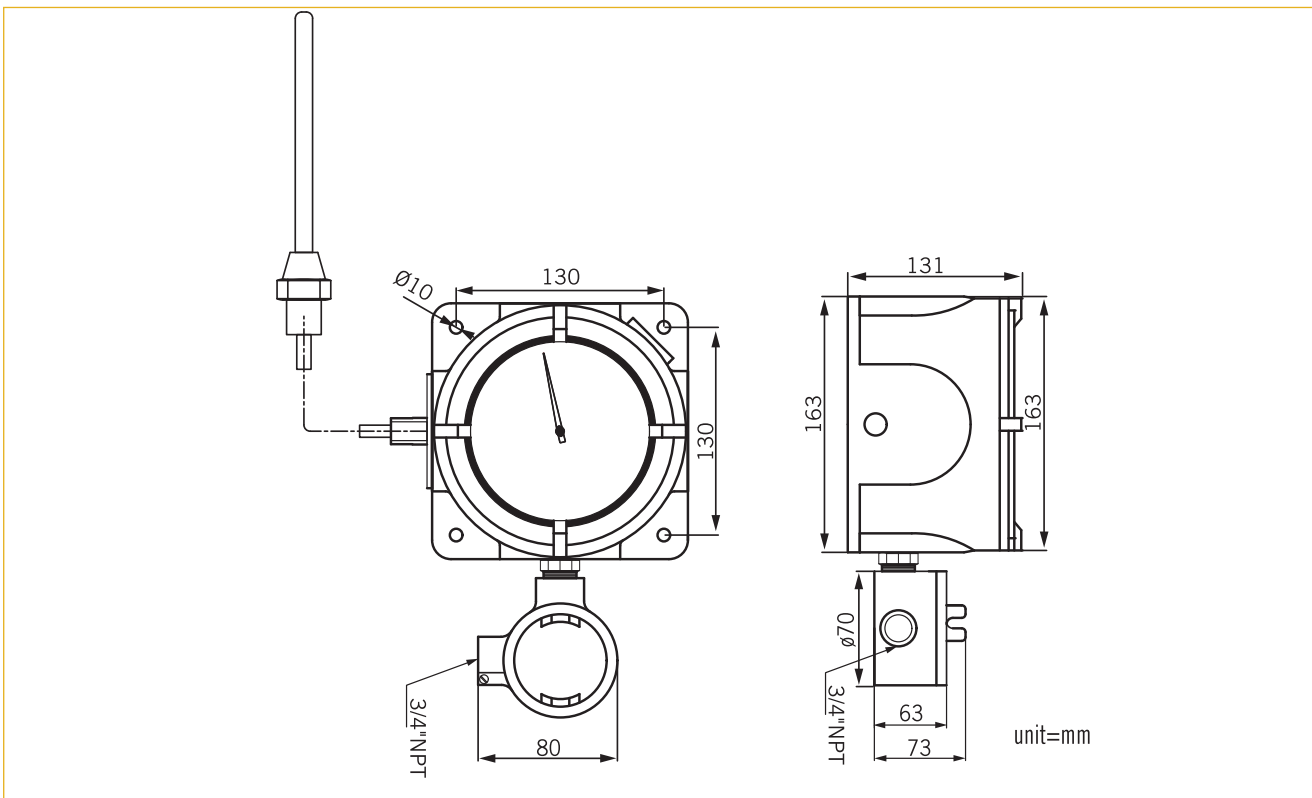


Switches with UL
& CSA Recognized
and File No.
E12252.

Minimum Inserting Length of Sensor Bulb



Dimensions



Range Selection Table Effective Bulb Insertion Length

Liquid Filled Type	
Code	Adjustable Range (°C)
L1	-70~+50
L2	-50~+50
L3	-30~+50
L4	-30~+100
L5	-10~+50
L6	-10~+100
L7	0~50
L8	0~60
L9	0~80
L10	0~100
L11	0~120
L12	0~150
L13	0~200
L14	0~250
L15	0~300
L16	0~400

Gas Filled Type	
Code	Adjustable Range (°C)
G4	-200~+200
G5	-100~+300
G9	-50~+400
G10	-50~+500
G11	-50~+600
G17	0~400
G18	0~500
G19	0~650

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

Liquid Filled Type					
Range °C	Outside Dimension "d"	ø6	ø8	ø10	ø12
		1	-70~+50	100	70
2	-50~+50	120	80	50	30
3	-30~+50	150	100	60	40
4	-30~+100	100	70	40	30
5	-10~+50	190	130	70	50
6	-10~+100	110	80	50	30
7	0~50	230	150	80	60
8	0~60	190	130	70	50
9	0~80	150	100	60	40
10	0~100	120	80	50	30
11	0~120	100	70	40	30
12	0~150	80	60	40	30
13	0~200	70	50	30	20
14	0~250	60	40	30	20
15	0~300	50	40	30	20
16	0~400	40	30	20	20

Gas Filled Type					
Capillary Length	Outside Dimension "d"	ø6	ø8	ø10	ø12
		1	0~10 M	250	170
2	11~30 M	250	170	140	90

Ordering Information

ETS5000L ETS5000G	Code	Measuring Range
		(G4) -200~+200°C (G5) -100~+300°C (G9) -50~+400°C (G10) -50~+500°C (G11) -50~+600°C (G17) 0~400°C (G18) 0~500°C (G19) 0~650°C
		(L1) -70~+50°C (L2) -50~+50°C (L3) -30~+50°C (L4) -30~+100°C (L5) -10~+50°C (L6) -10~+100°C (L7) 0~50°C (L8) 0~60°C (L9) 0~80°C (L10) 0~100°C (L11) 0~120°C (L12) 0~150°C (L13) 0~200°C (L14) 0~250°C (L15) 0~300°C (L16) 0~400°C
	Code	Capillary Length (M)
		Please fill in the requested length.
	Code	Process Connection
		(A) 1/2" NPT Male (B) 3/4" NPT Male (N) Non Thread (F) Flange Type (by customer specify) (O) option
	Code	Stem Outside Dimensions (unit=mm)
		(1) ø6 (2) ø8 (3) ø10 (4) ø12 (5) ø6.35 (6) ø9.53 (7) ø12.7 (8) ø19.05 (O) Option
	Code	Stem Length (mm)
		Please refer to bulb length table. Fill in the requested length.
	Code	Micro Switch
		(1) One setting point SPDT x 1 (2) Two setting point SPDT x 2
	Code	Conduit Size
		(A) 1/2"NPT(F) (B) 3/4"NPT(F) (C) option
	Code	Explosion Proof / Housing Material
	A	(Certificate on Housing only) / Aluminum alloy: Class I, Groups B, C & D; Class II, Groups E, F & G; NEMA 4X
	B	(Taiwan Explosion Proof Certification) / Aluminum alloy: Ex d IIB + H2 T6 Gb
	B1	(Taiwan Explosion Proof Certification) / SS316: Ex d IIB + H2 T6 Gb
	Code	Micro Switch Rating
	1	3A/250VAC, 5A/125VAC 3A/30VDC (Standard)
	2	5A/250VAC, 5A/125VAC 3A/28VDC (Option: Please contact to New-Flow first)
		Complete Ordering Code