

## Main Specifications

▼ **Size**  
6"

▼ **Type**  
MS-FTXWF-L (Liquid-filled)  
MS-FTXWF-A (Gas-filled)

▼ **Installation type**  
Wall mount with flange

▼ **Window**  
Acrylic

▼ **Process connection**  
Material: SS304  
1/2" NPT male  
3/4" NPT male  
With swivel nut (male thread)

▼ **Conduit connection**  
3/4" NPT female

▼ **Stem**  
Material: SS304  
Outer dia.: Ø6 / 8 / 10 / 12 mm  
Length: please refer to stem specification table

▼ **Capillary**  
Length:  
Max. 30M (MS-FTXWF-L),  
Max. 50M (MS-FTXWF-A)

▼ **Temperature range**  
-70 to 400°C (MS-FTXWF-L)  
-200 to 650°C (MS-FTXWF-A)

▼ **Ambient temperature**  
-20 to +70°C

▼ **Applicable fluid**  
Liquid and gas that compatible with connection's material

▼ **Protection level**  
IP65

▼ **Explosion-proof level**  
Class I, Gr B, C & D,  
Class II, Gr, E, F & G

## Other Specifications

▼ **Case & cover**  
Die casting aluminum

▼ **Switch contact type**  
Single pole double throw SPDT

▼ **Operating voltage**  
250 VAC max.  
28 VDC max.

▼ **Contact rating**  
AC 125/250V: 5A  
DC 24V: 0.5/0.25A

▼ **Contact material**  
Pure silver 999.9

▼ **Contact number**  
SPDT x1 / SPDT x2

▼ **Pointer**  
Aluminum with black enamel

▼ **Dial face**  
Black scale on whiteboard  
Pressure unit, scale, and color can be customized upon request

▼ **Measuring elements**  
Gas-actuated /  
Liquid-actuated

▼ **Gauge accuracy**  
±1%F.S.

▼ **Switch action**  
±1.6~3%F.S.

▼ **Operating temperature**  
Stabilization: 3/4\* full scale  
Short-time: 1\* full scale

▼ **Other requests (Option)**  
Third party notarized documents  
Inspection report  
Tag  
Customized dial face (scale, color, unit, etc.)  
Thermowell (thermowell specifications are customized according to the selected stem specifications)  
Remove external adjustable screw  
Remove anti-sway pointer (better sensibility)  
IP67 (sealed with silicone rubber O-ring)  
Epoxy coated capillary

# Remote Reading Explosion-proof Thermometer with Electrical Contact (Micro Switch Type)

## Model: MS-FTXWF Series

### Introduction

MS-FTXWF remote reading thermometer with micro switch, features high contact rating 5A and explosion-proof enclosure, which is suitable for temp control in high current and hazardous environment.



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

### Features

- Adopts SPDT micro switch, max. contact rating 5A, suitable for high current environment
- Explosion-proof enclosure
- Capillary installed, suitable for remote temperature measurement
- Gauge all stainless steel design
- Accuracy ±1%F.S.
- Contact number SPDTx1 / SPDTx2
- Media-actuated measurement ensuring the fastest reaction to ambient temperature

## Temp range and stem specification (Liquid-filled type)

Temp range (°C)	Min. scale division(°C)	Min. stem insertion length			
		Stem outer diameter			
		Ø6	Ø8	Ø10	Ø12
-70~+50°C	2	130	90	80	80
~50~+50°C	1	156	100	90	90
-30~+50°C	1	195	110	90	90
-30~+100°C	2	120	90	80	80
-10~+50°C	1	260	120	110	110
-10~+100°C	1	142	90	80	80
0~50°C	1	312	140	120	120
0~60°C	1	312	140	120	120
0~80°C	1	195	110	90	90
0~100°C	1	156	100	90	90
0~120°C	2	130	90	80	80
0~150°C	2	104	80	70	70
0~200°C	2	78	80	70	70
0~250°C	5	63	80	70	70
0~300°C	5	53	80	70	60
0~400°C	5	39	70	60	60

### Note:

Special range / scale / stem diameter/ length available upon request.

## Temp range and stem specification (Gas-filled type)

Temp range (°C)	Min. scale division(°C)	Min. stem insertion length	
		Stem outer dia.	
		Ø10	Ø12
-200~+50°C	5	270	200
-200~+100°C	5		
-200~+150°C	5		
-200~+200°C	5		
-100~+100°C	2		
-100~+150°C	5		
-100~+200°C	5		
-50~+300°C	5		
-50~+400°C	10		
-50~+500°C	10		
+50~+600°C	10		
0~100°C	1		
0~150°C	2		
0~200°C	2		
0~250°C	5		
0~300°C	5		
0~400°C	5		
0~500°C	10		
0~600°C	10		

## How to order

### MS-FTXWF Remote Reading Explosion-proof Thermometer with Electrical Contact (Micro Switch Type)

Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
L	Type	L	Liquid-filled	A	Gas-filled	-	-	-	-
4N	Process connection	4N	1/2" NPT	6N	3/4" NPT	O	Others	-	-
1	Contact number	1	SPDTx1	2	SPDTx2	-	-	-	-
304	Stem material	304	SS304	316	SS316	O	Others	-	-
Custom	Stem outer diameter	6 / 8 / 10 / 12 mm Other stem outer diameter available upon request							
Custom	Stem length	Please refer to stem specification table The specified stem length cannot over minimum stem length listed in the table.							
Custom	Capillary length	Max. 30M (MS-FTXWF-L), Max. 50M (MS-FTXWF-A) Other capillary length available upon request							
Custom	Temp. range	-70 to 400°C (MS-FTXWF-L) -200 to 650°C (MS-FTXWF-A)							

Order example: MS-FTXWF - L - 4N - 1 - 304 - 12mm - 150mm - 10M - (0 to 100°C)