



### Liquid Filled Type Thermometer

Model No. EFS-SS4011~2 series



EFS-SS4010

#### Summary

The scale interval of this instrument is divided equally. Therefore, it is easy to read the scale when measuring the temperature. As the driving power is strong, the indicator indicates certainly and it is widely used for industrial use because the temperature transmission speed is very fast.

#### Production Specification

- ▶ Diameter
  - 100 mm · 150 mm
- ▶ Accuracy
  - $\pm 2.0\%$  of Full Scale
- ▶ Scale Range
  - $-30^{\circ}\text{C} \sim 650^{\circ}\text{C}$
- ▶ Common Temperature
  - 75% of Full Scale

### Liquid Filled Type Thermometer (with Contact)

Model No. EFS-SS4021~2 series



EFS-SS4020

#### Summary

The principle and structure of this temperature measurement instrument is the same as the filled thermometer but it produces a contact signal when there is an increase or decrease of temperature by installing the indicator for high and low set-up.

#### Production Specification

- ▶ Diameter
  - 100 mm , 150 mm
- ▶ Accuracy
  - $\pm 2.0\%$  of Full Scale
- ▶ Scale Range
  - $-30^{\circ}\text{C} \sim 650^{\circ}\text{C}$
- ▶ Common Temperature
  - 75% of Full Scale

### Bimetal Thermometer

Model No. EFS-SS4061~8 series



#### Summary

This instrument is joined by two different metal plates which have different coefficient of expansion. The structure is simple and it is easy to use. Therefore, it is easy to read the scale when measuring and as the price of it is inexpensive, it can be used widely.

#### Production Specification

- ▶ Diameter
  - 75mm, 100mm , 125mm, 150mm
- ▶ Accuracy
  - $\pm 1.0\%$  of Full Scale
- ▶ Scale Range
  - $-30^{\circ}\text{C} \sim 600^{\circ}\text{C}$
- ▶ Common Temperature
  - 75% of Full Scale

**Liquid Filled Thermometer (with Micro Contact)**

**Model No. EFS-SS4025~6 series**



EFS-SS4025/6

**Summary**

This instrument has a micro switch that produces a contact signal when there is an increase or decrease of temperature by controlling the setting temperature.

**Production Specification**

- ▶ Diameter
  - 100, 150 mm
- ▶ Accuracy
  - Grade :  $\pm 2.0\%$  of Full Scale
  - Repeatability :  $\pm 1.0$  of Adj Range
  - Dead Band :  $\pm 4.0\%$
- ▶ Scale Range
  - $-30^{\circ}\text{C} \sim 650^{\circ}\text{C}$
- ▶ Common Temperature
  - 75% of Full Scale

**Liquid Filled Type Thermometer (Direct)**

**Model No. EFS-SS4030 series**



EFS-SS4031



EFS-SS4032

**Summary**

The scale interval of this instrument is divided equally. Therefore, it is easy to read the scale when measuring the temperature. As the driving power is strong, the indicator indicates certainly and depending on the special condition of the installation place, it can be ordered in various form of bend and can be made by many other ordering ways.

**Production Specification**

- ▶ Diameter
  - 100, 150 mm
- ▶ Accuracy
  - Grade :  $\pm 2.0\%$  of Full Scale
- ▶ Scale Range
  - $-30^{\circ}\text{C} \sim 650^{\circ}\text{C}$
- ▶ Common Temperature
  - 75% of Full Scale
- ▶ Degree Of Protection
  - IP65

**Recording Thermometer**

**Model No. EFS-SS4041 series**



EFS-SS4041 250mm

**Summary**

This instrument is designed to record change of pressure with a pen on a record paper by a recording device according to the flow of the time

**Production Specification**

- ▶ Diameter
  - 250 mm
- ▶ Accuracy
  - Grade :  $\pm 2.0\%$  of Full Scale
- ▶ Scale Range
  - $-30^{\circ}\text{C} \sim 650^{\circ}\text{C}$
- ▶ Common Temperature
  - 75% of Full Scale

### Temperature Switch

Model No. EFS-SS4050 series



EFS-SS4050

#### Summary

This instrument has a micro switch that produces a contact signal when there is an increase or decrease of temperature by controlling the setting temperature.

#### Production Specification

- ▶ Diameter (1P)
  - 170mm x 135mm x 61mm (W x H x D)
- ▶ Accuracy
  - $\pm 2.0\%$  of Full Scale
- ▶ Scale Range
  - $-30^{\circ}\text{C} \sim 650^{\circ}\text{C}$
- ▶ Common Temperature
  - 75% of Full Scale

### Liquid Filled Thermometer Transformer

Model No. EFS-SS4023 series



EFS-SS4023

#### Summary

The principle and structure of this temperature measurement instrument is the same as the filled thermometer but it produces a contact signal when there is an increase or decrease of temperature by installing the set-up indicator for high and low.

#### Production Specification

- ▶ Diameter
  - 100, 150 mm
- ▶ Accuracy
  - $\pm 2.0\%$  of Full Scale
- ▶ Scale Range
  - $-30^{\circ}\text{C} \sim 650^{\circ}\text{C}$
- ▶ Common Temperature
  - 75% of Full Scale

### Angle Type Special Thermometer

Model No. EFS-SS4071~3 series



EFS-SS4071

#### Summary

This instrument is designed to adjust the measuring angle as you want to . Therefore, you can change the location as your own discretion and measure it.

#### Production Specification

- ▶ Diameter
  - 100mm, 125mm, 150mm
- ▶ Accuracy
  - $\pm 1.0\%$  of Full Scale
  - $\pm 2.0\%$  of Full Scale
- ▶ Scale Range
  - $-30^{\circ}\text{C} \sim 650^{\circ}\text{C}$
- ▶ Common Temperature
  - 75% of Full Scale

**Explosion Protected Thermometer Indicating Switch**

**Model No. EFS-KTD21 series**



EFS-KTD21

[Explosion-Protected of Protection] Ex d IIC T4

**Summary**

As the driving power is strong, the indicator indicates certainly and it is widely used for industrial use because its transmission speed of temperature is very fast.

This instrument has a micro switch which produces a contact signal when there is an increase or decrease of temperature by controlling the setting temperature outside.

**Production Specification**

- ▶ Accuracy
  - $\pm 2.0\%$  of Full Scale
- ▶ Dead Band :  $\pm 4\%$
- ▶ Repeatability :  $\pm 1\%$
- ▶ Scale Range
  - $-30^{\circ}\text{C} \sim 650^{\circ}\text{C}$
- ▶ Common Temperature
  - 75% of Full Scale
- ▶ Explosion-Protected of Protection
  - Ex d IIC T4

**Explosion Protected Thermometer Indicating Switch**

**Model No. EFS-KTD22 series**



EFS-KTD22

[Explosion-Protected of Protection]

Ex d IIC T4

**Summary**

As the driving power is strong, the indicator indicates certainly and it is widely used for industrial use because its transmission speed of temperature is very fast.

This instrument has a micro switch that produces a contact signal when there is an increase or decrease of temperature by controlling the setting temperature outside.

**Production Specification**

- ▶ Accuracy
  - $\pm 2.0\%$  of Full Scale
- ▶ Scale Range
  - $-30^{\circ}\text{C} \sim 650^{\circ}\text{C}$
- ▶ Common Temperature
  - 75% of Full Scale
- ▶ Explosion-Protected of Protection
  - Ex d IIC T4