

Model WSS Bi-metal Thermometer



WSS series bimetal thermometer is a temperature-measuring instrument in which the differential thermal expansion of thin dissimilar metals, bonded together into a narrow strip and coiled into the shape of a helix or spiral, is used to actuate a pointer and to show the temperature value. It is also known as differential thermometer. Facilitated with all stainless steel material, it is suitable for corrosive media and environments in chemical process, petroleum and other industry field.

WSS series bimetal thermometer includes three types as per installation: Bottom Mounted, Back Mounted, Arbitrary Mounted.

Technical Specification

Nominal Size: 50, 63, 80, 100mm,150mm

Accuracy: 1.0%, 1.6%, 2.5%

Ingress Protection: IP 65

Connection: Fixed connection or Sliding connection. Thread or Flange or Customized. G1/4" or G1/2" or NPT or Customized.

Temperature Scale Range: -40°..+600°C

Sensing Element: Coiled bimetal sensing

Filling: Dry. Vibrant type with fillable Silicone oil

Operating Temperature: Ambient temperature -50°..+120°C

Dial Graduation: Standard in dual ranges °F and °C

Casing and Bezel Ring: Black steel; Chromed steel; Stainless steel

Probe Sensor: Stainless steel, length optional available.

Connection: Stainless steel

Window: Plain instrument glass

Pointer: Black painted aluminum

Dial Plate: Aluminum alloy

