



Soil Temperature

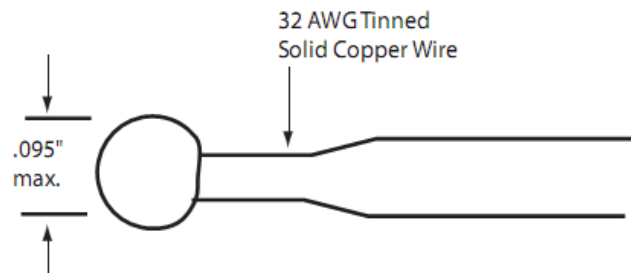
S91282

- **Stainless Steel Casing**
- **Chemically Stable**

This Thermistor provides highly accurate and stable temperature sensing for applications of temperature measurement, control, indication and compensation. Typical uses include precise measurements without the necessity of individual circuit calibration and with the advantage of precision interchangeability of sensors.

Two interchangeability tolerances and two thermistor configurations are offered. Teflon encased thermistors allow exposure to hostile environments such as conductive or corrosive liquids and particulate suspensions. A stiff wire placed in the tube also allows the thermistor leads to be formed to various shapes with slight finger pressure. A stainless steel casing covers the outside of the sensor.

The time required for a thermistor to indicate 63% of a newly impressed temperature is the time constant. For a thermistor suspended by its leads in a well-stirred oil bath it is sec. max. for standard thermistor and 2.5 sec. max. for teflon encased thermistors. In still air it is 10 sec. max. for standard thermistors and 25 sec. max. for Teflon encased thermistors.





Technical Specifications

S91282

Accuracy	0.2°C
Resolution	0.01°C
Power Resistance Ohms @25°C :	5000
Resistance Ratio 25-125°C :	29.26
Max Working Temp °C :	75°C
Store & Work Temp for best Stability °C :	-80 - +75°C