



TS-CS Sensor Series

Slab Temperature Sensors



Overview

The TS-CS Series are single-point slab temperature sensors that utilize a precision sensor encapsulated in thermal conductive coating. All probes are constructed to provide excellent heat transfer, fast response and to resist moisture penetration. Different wire types and wire lengths are available. The TS-CS series can accommodate a wide variety of sensing elements such as NTC thermistors, RTD elements, Nickel RTD elements and IC sensors.

Applications

- Used to measure temperature of concrete slabs

Features & Benefits

- Economical
- Proven long term stability and performance
- Ease of installation
- Accurate temperature monitoring for increased comfort
- Sensors are hermetically sealed

Model Selection

TS-CSZ012	Concrete slab temperature sensor 300mm (12") zip wire. Other wire lengths available.
TS-CSP012	Concrete slab temperature sensor 300mm (12") FT-6 wire. Other wire lengths available.
TS-CSM012	Concrete slab temperature sensor 300mm (12") moisture proof wire. Other wire lengths available.

Product Specifications

Environmental

<input type="checkbox"/> Zip Wire (ZW)	Operating Temperature: -20 to 105°C (-4 to 221°F)
<input type="checkbox"/> Plenum Rated (FT)	-20 to 60 °C (-4 to 140 °F)
<input type="checkbox"/> Moisture Proof (MP)	-20 to 80°C (-4 to 176°F)

Temperature Sensor/Probe

Type ¹	10,000Ω, type 2, NTC Thermistor
Accuracy	±0.2°C; ±0.36°F

Electrical

Dissipation Factor	2.2 mw/K (Thermistor)
Max Power @ 25°C (77°F)	75mW (Thermistor)
Thermal Time Constant	Less than 10s (Thermistor)
Termination	Pigtail 2 or 3 wire

1. Temperature sensor type stated is standard. Other temperature sensor types are available.

Dimensions

