

# GENERAL PURPOSE TEMPERATURE SENSOR

## SPP1 Series Temperature Sensor Assembly with fixed immersion length.

- General Purpose Temperature Sensor
- 316 Stainless Steel Probe
- ½" BSP Process Connection
- 75 mm Thermal Lagging Extension
- Ceramic Connection Block Fitted
- Temperature Range (-50 to 350) °C at tip



### INTRODUCTION

The SPP1 series temperature sensor assembly is a general purpose product designed for use in the process industry. It consists of a class B Pt100 temperature sensor housed in a 316 Stainless Steel probe with a ½" BSP process connection. It has a 6 mm diameter stem with 3 choices of immersion length. A ceramic connection block is provided, housed in an aluminium alloy connection head.

### SPECIFICATIONS @ 20 °C

#### Sensor

Element:	Pt100 Class B 3 wire to IEC 60751
Probe Material:	316 Stainless Steel
Immersion Length:	100, 150 or 200 mm
Diameter:	6 mm
Process Connection:	½" BSP
Lagging Extension:	75 mm x 12.7 mm
Head Thread:	M24 x 1.5
Sensor Wires:	7/0.2 Cu PTFE

#### Head

Cable entry:	M20 with Cable Gland
Material:	Aluminium Alloy
Cap Seal:	IP 67

#### Connection Block

Construction:	Ceramic
Terminals:	4, slotted screw type

#### General

Temperature Range:	(-50 to 350) °C at tip
Max Head Temperature:	75 °C
Accuracy:	Class B Pt100

#### Order Codes

SPP1/11/CB4/100mm  
SPP1/11/CB4/150mm  
SPP1/11/CB4/200mm