

GENERAL PURPOSE TEMPERATURE SENSOR

SPP2 Series Temperature Sensor / Transmitter Assembly with adjustable immersion length.

- General Purpose Temperature Sensor
- Flexible Immersion Length
- 6mm Sensor Diameter
- SEM203P 2 wire 4 to 20mA Transmitter fitted
- Temperature Range -50/250 Deg C at tip



INTRODUCTION

The SPP2 series temperature sensor and transmitter 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 and has a 6mm diameter stem with 2 choices of probe length and if necessary can be used with a suitable compression gland providing a flexible immersion length. Housed in an aluminium alloy connection head, the temperature transmitter, SEM203P can be set to measure the required temperature range without the need for a PC.

SPECIFICATIONS @ 20 ° C

Sensor

Element: Pt100 Class B 3 wire to IEC 60751
Probe Material: 316 Stainless Steel
Immersion Length: Max 100mm, 150mm, 6mm Diameter
Process Connection: Optional Compression Gland (1/2" or 1/4" BSP Stainless Steel)
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 68

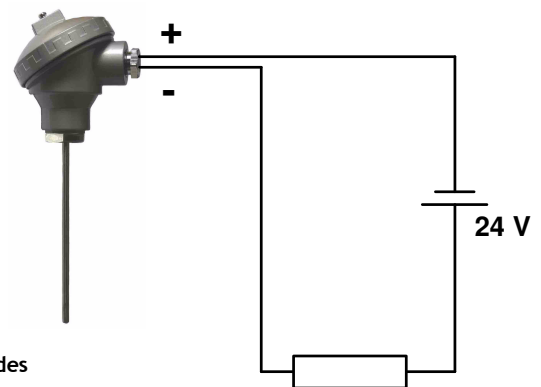
Transmitter

Input: Pt100
Accuracy: 0.2 °C
Temperature Range: Configuration: Push Button
Sensor Referencing: Yes
Power Supply: (10 to 30) VDC
Output: 2 wire (4 to 20) mA
Default temperature range: (0 to 100) °C

General

Temperature Range: (-50 to 200) °C at tip
Max Head Temperature: 75 °C
Accuracy Transmitter: As SEM203P (see datasheet) plus class B sensor error

Connections



Order Codes

SPP2/11/203/100mm
SPP2/11/203/150mm