



SEM1503/P

- > 2 OR 3-WIRE Pt-100 INPUT
- > FULLY LINEARIZED
- > SMALL SIZE
- > 4-20 mA OUTPUT
- > DIN RAIL MOUNTED
- > HIGH PERFORMANCE



INTRODUCTION

The SEM1503/P Rail-mounted Pt-100 Temperature Transmitter provides accurate and reproducible conversion of 2 or 3-wire Pt-100 RTDs to industry standard 4-20 mA output. The small size of the unit enables many units to be fitted in a small space, and a high packing density to be achieved.

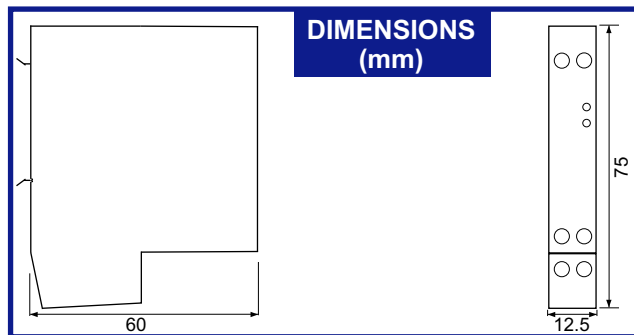
The versatility of this temperature transmitter results in lower stock holdings and greater operational flexibility. The transmitter can easily be configured in the field for any range from -100°C to +600°C with a minimum span of 25°C.

SPECIFICATIONS @ 20°C

Input 2 or 3-wire Pt-100 sensor
Sensor Range -100...+600°C
Accuracy ±0.15°C±% rdg as follows

Accuracy % rdg	0.4	0.2	0.1	0.2	0.4
Temperature °C	-180	-100	0	200	500 600

Minimum Span 25°C
Excitation Current 2 mA maximum
Output 2-wire, 4...20 mA
Supply Voltage 10...30 VDC
Load 700 Ω @ 24 V maximum
Electrical Protection Reverse connection; Over voltage
Thermal Stability 100 ppm / °C
Response Time 100 ms to reach 70% of value
Burnout Action Upscale standard
Case Material Polyamide
Ambient 0...+50°C; 10 to 95% RH
Mounting Rail mounting
Environ. Protection IP-20



FOR THE VERSION WITH THERMOCOUPLE INPUT, SEE SEM1500/TC CATALOGUE

