

Techsense Bangladesh Ltd

Programmable, suitable for thermocouple Code : SEM206TC

The SEM206/TC is our entry level PC programmable temperature transmitter. It accepts most common thermocouple sensors and converts the sensor output to a standard industrial (4 to 20) mA transmission signal. PC configuration allows the user to select range, units and burnout direction, without requiring calibration equipment. Configuration is performed quickly using our new USB port driven configurator by simply connecting two clips to the SEM206/TC loop terminals and following the software instructions. Calibration set up may be saved as a file on the PC for later use.

General Attributes

- Output Type 2 wire (4 to 20) mA current loop
- Output range 4.0 mA to 20.0 mA
- Output Connection Screw Terminal
- Maximum output 21.5 mA(in high burnout condition)
- Minimum output 3.8 mA (in low burnout condition)
- Accuracy (mA output / 2000) or 5 uA
(Which ever is the greater)
- Loop Voltage effect $\pm 0.2 \text{ uA} / \text{V}$
- Thermal drift $\pm 1 \text{ uA} / ^\circ\text{C}$
- Maximum output load $[(V_{\text{supply}}-12)/20] \text{ K Ohms}$
(Example 600 Ohms @ 24 V)
- Update time 500 ms
- Response Time 1 second
- Start up time Within 8 seconds (Output < 4mA during start up)
- Warm-up time 1 minute to full accuracy
- Power Supply (12 to 30) Volts dc
- Ambient operating range (-40 to +85) $^\circ\text{C}$
- Ambient storage temperature (-50 to +90) $^\circ\text{C}$
- Ambient humidity range (10 to 90) % RH
non condensing



For further information please visit : <https://goo.gl/Nz4VgQ>