



# Temperature Input Modules

**2-channel temperature input modules, RTD or thermocouple input**



## M-6200: 2 analog inputs, RTD: PT100, JPT100

**RTD Inputs:** 2 channels

**Sensor Types:**

- PT50, PT100, PT200, PT500, PT1000 (resistance 100 milli-ohms/bit)
- JPT100, JPT200, JPT500, JPT1000 (resistance 10 milli-ohms/bit)
- NI100, NI200, NI500, NI1000, NI120, CU10 (resistance 20 milli-ohms/bit)

**Resolution:** 0.1°C/10 milli-ohms

**Data Format:** 16-bit integer (2's complement)

**Accuracy:**

- ±0.1%, FSR @ 25°C
- ±0.3%, FSR @ 0°C, 60°C

**Input Impedance:** 500K ohms

**Conversion Time:** 200 ms for all channels

**Diagnostics:** Range over (if range over, data=Dx8000)

**Power Consumption:** 80 mA @ 5 VDC

**Isolation:** I/O to logic (photocoupler isolation)

**Wiring:** I/O cable max. AWG14

**MTBF:** 3,644,160 hrs (Database: Telcordia/Bellcore)



## M-6201: 2 analog inputs, thermocouple

**Thermocouple Inputs:** 2 channels

**Sensor Types:**

Type J/K/T/E/R/S/B/N/L/U/C/D  
(mV input 10 µV/bit, 2 µV/bit)

**Resolution:** 0.1°C/10 µV

**Data Format:** 16-bit integer (2's complement)

**Accuracy:**

- ±0.1%, FSR @ 25°C
- ±0.3%, FSR @ 0°C, 60°C

**Input Impedance:** 500K ohms

**Conversion Time:** 200 ms for all channels

**Diagnostics:** Range over (if range over, data=Dx8000)

**Power Consumption:** 80 mA @ 5 VDC

**Isolation:** I/O to logic (photocoupler isolation)

**Wiring:** I/O cable max. AWG14

**MTBF:** 3,828,120 hrs (Database: Telcordia/Bellcore)



## : Ordering Information

### Available Models

**M-6200:** Modular remote I/O module with 2 RTDs, RTB, -10 to 60°C operating temperature

**M-6201:** Modular remote I/O module with 2 TCs, RTB, -10 to 60°C operating temperature