



# T/CMate™

## THERMOCOUPLE COLD-JUNCTION COMPENSATOR

### Series 200

- Precise compensation for type E, J, K, and T thermocouples
- Signal isolated from compensation power
- Use any instrumentation amplifier
- No batteries required
- Eliminate long-distance thermocouple wire



Actual size

The Ectron T/CMate Series 200 Thermocouple Cold-junction Compensator allows any following instrumentation amplifier to be used as a thermocouple amplifier with thermocouple input. Ectron conditioner-amplifiers are ideal.

The T/CMate accepts thermocouple signals, provides precision cold-junction compensation to copper wires, and adapts the signal for amplification. A jumper allows selection of the appropriate compensation for four thermocouple types.

A unique optical isolator provides power for the compensation circuitry from any 5 to 15 volt dc power source, eliminating the need for batteries. The strain-gage excitation supply available from Ectron conditioner-amplifiers provides ideal power. When connecting to computer I/O cards, the computer's 5-V or 12-V supply voltages can be used.

