



Model  
CA20

# Thermocouple Calibrator

Accepts Type J Thermocouples, High/Low Alarm, Selectable Resolution



Thermocouple  
Calibrators



**Dual function** CA20 Thermocouple Calibrator can be used to source Type J thermocouple output values or measure Type J thermocouples. Quickly select output value using the rotary switch with coarse and fine adjustments. Model CA20 accepts up to two Type J thermocouples and features data hold and max functions. Measurements are displayed on a 3-1/2 digit backlit display. Units include a 4" (100 m) Type J bead wire temperature probe, calibration cable, 9V battery and instruction manual.

**Model CA20**, Thermocouple Calibrator

## SPECIFICATIONS

**Measurement Range:** -40 to 1400°F (-40 to 760°C), selectable.

**Thermocouple Input:** Type J.

**Input Protection:** 24 VDC or 24 VAC rms max input voltage on any combination of input pins.

**Accuracy:**  $\pm 0.1\%$  rdg.  $+2^\circ\text{F}$  on -40 to 1400°F;  $\pm 0.1\%$  rdg.  $+1^\circ\text{C}$  on -40 to 760°C, over operating temperature of 64 to 82°F (18 to 28°C).

**Output Range:** -328 to 2192°F (-210 to 1200°C).

**Display:** 0.8" (20 mm) height, 3-1/2 digit LCD with switchable back light.

**Resolution:** Selectable  $1^\circ$  or  $0.1^\circ$ .

**Reading Rate:** 2.5 times/second.

**Ambient Operating Temperature:**

32 to 122°F (0 to 50°C) max 80% RH.

**Storage Temperature:** -4 to 140°F (-20 to 60°C) max 70% RH.

**Thermocouple Connection:** Standard female mini-connector.

**Power Requirements:** 9V alkaline (included).

**Battery Life:** 200 hours typical.

**Temperature Coefficient:** 0.1 times the applicable accuracy specification per °F from 32 to 64°F and 82 to 122°F (0 to 18°C and 28 to 50°C).

**Housing Material:** ABS plastic.

**Weight:** 15.5 oz (440 g).

**Agency Approvals:** CE.