



# Temperature Calibrator

Product ID: CL-327

Model No. CL-327

- 11 types of thermo couples
- K,J,E,T,R,S,N,L,U,B and C
- C and F with 0.1 °C and 0.1°F resolution
- Internal and external temperature

reference

- $\Delta T$  input,  $\Delta T$  increment, and

$\Delta T$  decrement

- Easy Just type in number operation



## Specifications:

Temperature Reference

External Temperature Reference

(0.1°C , 0.1 deg F Resolution, 100 Ohm Output Impedance. )

Type Deg C & F

Thermocouple Type K, J, E, T, R, S, N, L, U, B, C & mV measurement

Range Typical Accuracy

K: -200~1370 C , -328~2498 F +/- 0.4 C, +/- 0.7 F

J: -200~1050 C, -328~1922 F +/- 0.4 C, +/- 0.7 F

E: -150~800C, -238~1472 F +/- 0.4 C, +/- 0.7 F

T: -200~400 C, -328~752F +/- 0.4 C, +/- 0.7 F

R: 0~1760 C, 32~3200 F +/- 0.5 C, +/- 0.9 F

S: 0~1760 C, 32~3200F +/- 0.5 C, +/- 1.0 F

N: -200~1300 C, -328~2372 F +/- 0.4 C, +/- 0.7 F

L: -200 ~ 900 C, -328~1652 F +/- 0.4 C, +/- 0.7 F

U: -200~600 C, -328~1112 F +/- 0.4 C, +/- 0.7 F

B: 600~1820C, 1112~3308F +/- 0.5 C, +/- 1.0 F

C: 0~2310, 32~4190 +/- 0.5 C, +/- 0.9 F

mV: -9.999~60 10 uV

Accuracy +/- 0.3 C ~ 0.9 C ( K,J type -100 C ~1000 C +/- 0.4 C )

-9.999mV /60 mV: 10 uV

Resolution 0.1 C , 0.1F



## General Specification

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Battery Type: 9V Alkaline Battery  
Power Consumption: 60mA - 180mA (depends on output)  
Low battery: 5.5V at 150mA Load  
Display: 4 and 5 Digits  
Operating Temperature: 0 to 50°C ( 32 to 122 °F)  
Operating Humidity: Less than 85% relative  
Storage Temperature: -20 to 60° C (-4 to 140 °F)  
Storage Humidity: Less than 85% relative  
Dimension: 88 x 168 x 26 mm  
(3.46" x 6.61" x 1.03")  
Weight: 330 g / 11.63 oz  
Accessories: Carrying case x 1  
Users Manual x 1  
K type thermocouple connector  
External Battery Pack Holder  
1.5V AA Batteries x 6  
Test leads with Alligator clip x 1

### Remarks:

- (1) Internal Temperature reference: Including temperature compensation circuit at 25 °C , the table is suitable for normal users' reference.
- (2) External Temperature reference: For those temperature manufacturers who use ice point calibrator.
- (3) Different types of temperature measurement use different type temperature compensation thermocouple such as K, J, E, T, R, S, N, L, U, B, C or you can use copper wire ( But you should deduct its tolerance. For example: If your CL 327 shows 5.0 °C and the tested temperature meter shows 4.8 °C, its difference is 0.2 °C )

**Certificate: CE**