

Miniature Electronic ice point™

MCJ Series



MCJ-K, shown smaller than actual size with CASS-316G-12, sold separately, visit us online.

The MCJ converts thermocouple voltages into 0°C referenced signals, for use with DMM's, voltage recorders and other electronic devices. The signals from the MCJ can be converted to temperatures, using the standard temperature-mV tables.

Features

High Stability Design

±1°C stability over entire 10 to 45°C operating range is assured through the computer designed solid state circuit.

Convenient

The MCJ is compatible with any standard thermocouple connector or jack; use ordinary copper wire to connect from the MCJ to any instrumentation for precise ice point referenced readings; with the standard adaptor pins, the MCJ can be used as either a female or male connector.



RD46A-EPL, visit us online.



Female-to-male adaptor pins, included, can be used with MCJ Series for direct connection to panel. Shown larger than actual size.

Specifications

Reference Temperature:

0°C (32°F)

Accuracy: 0.5°C from 15 to 30°C;
1°C from 10 to 45°C

Storage Temperature:

-25 to 75°C (-13 to 167°F)
(without battery)

Output Impedance: <200 Ω

Weight: 57 g (< 2 oz)

Compact Size

Dimensions:

75 H x 25 W x 13 mm D
(2.94 x 1 x 0.5")

To Order

| Model No. | Calibration | Color Code |
|-----------|-------------|------------|
| MCJ-J | J | Black |
| MCJ-K | K | Yellow |
| MCJ-T | T | Blue |
| MCJ-E | E | Violet |
| MCJ-R/S | R and S | Green |
| MCJ-C | C* | Red |
| MCJ-D | D* | Red/white |

Comes complete with mating male thermocouple connector, battery and female-to-male adaptor pins.

* Not ANSI symbols; C: W/5% Re vs. W/26% Re. D: W3% Re vs W/25% Re.

Ordering Example: MCJ-J, J calibration.

Accessories

| Discount Schedule | |
|---------------------|---------------|
| 1 to 10 units..... | Net |
| 11 to 24 units..... | 5% |
| 25 to 49 units..... | 10% |
| 50 and up..... | Consult Sales |

| Model No. | Description |
|--------------|--|
| MCJ-BATT-B | Replacement battery |
| MCJ-BATT-R-A | Replacement retro-fit kit for J, K, T, E |
| MCJ-BATT-R-B | Replacement retro-fit kit for R, S |
| MCJ-BATT-R-D | Replacement retro-fit kit for C, D |

Note: MCJ-BATT-R, retro-fit kit will replace mercury batteries in units purchased prior to April 1995.

Cold Junction Compensator and Calibration Modules

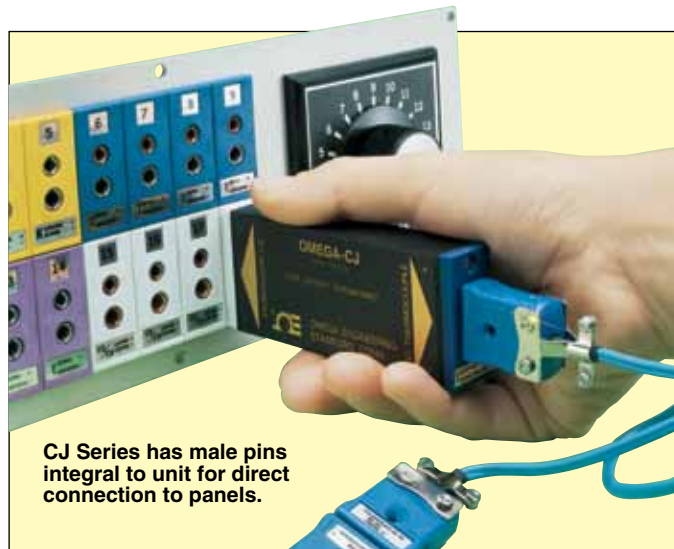
CJ Series



| Discount Schedule | |
|---------------------|---------------|
| 1 to 10 units..... | Net |
| 11 to 24 units..... | 5% |
| 25 to 49 units..... | 10% |
| 50 and up..... | Consult Sales |

- ✓ Works as a Cold Junction Compensator or In Reverse as a Super Accurate Calibrator
- ✓ Extreme Versatility; Unit Can Be Plugged Directly into a Thermocouple or into a Jack Panel
- ✓ Color-Coded Thermocouple Calibration
- ✓ Bi-Directional Design
- ✓ Instantaneous Warm-Up
- ✓ High Reliability
- ✓ Rugged Case
- ✓ Long Battery Life

Customized Color Codes Also Available! Consult Sales.



CJ Series has male pins integral to unit for direct connection to panels.

Specifications

Reference Temperature Setting:

0°C (32°F), standard

Compensation Accuracy: ±¼°C, @ 25°C ambient setting; ±½°C, from 15 to 35°C ambient setting; ±¾°C, from 10 to 50°C ambient setting

Storage Temperature:

-25 to 75°C (-13 to 167°F)
(without battery)

Output Impedance:

Less than 250 Ω, standard

Battery Life: 1500 hours or longer depending on calibration.

Highly Stable: Better than ±0.2°C at any stabilized temperature over the full 10 to 50°C range

To Order

| Model No. | Color Code | Thermocouple Calibration |
|-----------|------------|--------------------------|
| CJ-K | Yellow | CHROMEGA®-ALOMEGA® |
| CJ-J | Black | Iron-Constantan |
| CJ-T | Blue | Copper-Constantan |
| CJ-E | Violet | CHROMEGA®-Constantan |
| CJ-R/S | Green | Pt/13%-Rh/Pt/10%-Rh |
| CJ-G | Red | W/W/26% Re |
| CJ-C | Red | W/5%-W/26% Re |
| CJ-D | Red | W/3%-W/26% Re |

Comes complete with quick disconnect male plug, banana jack adaptor and battery.

Ordering Example: CJ-BATT-B, replacement batteries.

For units purchased prior to November 1994, order CJ-BATT-R, retro-fit kit

Note: CJs are available with reference junction temperatures other than 0°C, for an additional cost. Maximum reference temperature: 212°F. Consult Sales for details.