

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")

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

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

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

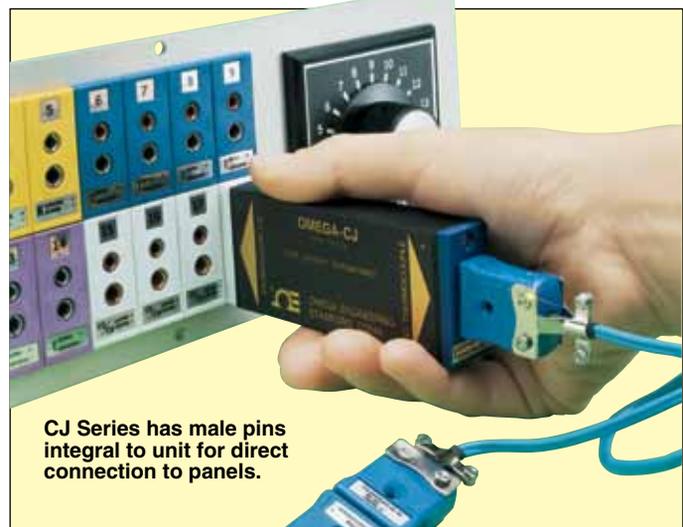
CJ Series



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	CHROMEQA®-ALOMEGA®
CJ-J	Black	Iron-Constantan
CJ-T	Blue	Copper-Constantan
CJ-E	Violet	CHROMEQA®-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.