

Self-Powered Thermocouple Reference Junction

LXCJ
Starts at
\$150



- Completely Portable, Self-Contained
- Miniaturized Circuitry, Hermetically Sealed
- Extreme Environmental Applications
- Instantaneous Use
- Built-In Battery Test Indicator
- No Warm-Up
- Long Life

Design Features

Immediate Operation: Self-contained battery with solid state circuitry is operational immediately upon joining switch leads. All leads are 356 mm (14") long

Built-In Battery Test: Unit contains a sealed, built-in battery test indicator. Connection of battery test leads causes an indicator to glow through a window in the side of the unit

Flexible Application: Small size, 102 L x 2.8 mm Dia. (4 x 1.1"), permits easy installation or portability for most uses

Performance Characteristics

Reference Temperature Setting: 0°C (32°F) standard; (other references available)

Compensation Accuracy[†]:

- ±½°C @ 25 ±5°C ambient setting
- ±½°C from 15 to 35°C ambient temp
- ±¾°C from 0 to 50°C ambient temp

Operating Life: Up to 5000 hours, continuous use; up to 3 years, intermittent use

Output Impedance: Less than 250 Ω standard

Storage Temperature: -25 to 75°C (-13 to 167°F)

Dimensions: 102 L x 28 mm Dia. (4 x 1.1")

Lead Length: 356 mm (14"), standard



LXCJ-K, \$150, shown larger than actual size.

Dimensions: mm (in)

[†] For standard reference temperature setting and standard base material thermocouple wire.

Note: To prolong battery life, use test light sparingly.
Design, construction and specifications are subject to change.

Discount Schedule


1 to 10 unitsNET
11 to 24 units5%
25 to 49 units10%
50 and UpConsult Sales

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Letter Code	Calibration		Model No.	Price
	+	-		
K	CHROMEGA®	ALOMEGA®	LXCJ-K	\$150
T	Copper	Constantan	LXCJ-T	150
E	CHROMEGA	Constantan	LXCJ-E	150
J	Iron	Constantan	LXCJ-J	150
SX	Plat 10 ext.	Pt ext.	LXCJ-SX	150
CX*	Alloy 405	Alloy 426	LXCJ-CX	150
GX*	Alloy 200	Alloy 226	LXCJ-GX	150
DX*	Alloy 203	Alloy 225	LXCJ-DX	150

Accessory

Model No.	Price	Description
FW-317	\$63	Reference Book: Instrumentation and Control Systems 

Comes with operator's manual.

* Not ANSI symbol.

Ordering Example: LXCJ-K, K reference junction, \$150.

omega.co.uk®

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

www.omega.co.uk



UNITED STATES

www.omega.com

1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca

Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de

Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk

Manchester, England
0800-488-488
+44-(0)161-777-6611

FRANCE

www.omega.fr

0800-466-342

BENELUX

www.omega.nl

0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers, Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters