

CC-1 CALIBRATION CHECKER

DESCRIPTION

SYSCON Sensors CC-1 provides quick and accurate calibration checking for Pyrometers and Lab analyzers. The device generates cold-end compensated voltages corresponding to three standard temperatures and includes lance resistance check functionality. A standard curve can be generated to plot on an FL-1, Quick-Lab Datacast, or similar cooling curve lab analyzer.

FEATURES

- Easy to operate Lance Check, Temp Check, and Curve Simulation features
- Available with standard K and S type test leads and plugs
- Toggle between K and S type output
- High precision DAC and cold-end temperature sensor generate precise microvolt output
- High overall instrument accuracy of $\pm 1.8^{\circ}\text{F}$ ($\pm 1^{\circ}\text{C}$)
- Color coded LEDs to indicate output status
- +-50 hours of runtime on full charge
- Automatic power shut-off after 5 minutes
- Smart charging circuit with overload and temperature protection
- IP 65 and UL 94 V-0 rated case – no mechanical switches
- Protective storage case included



Technical Specifications

Output	Dual Thermocouple Output
Thermocouple Type	S, K
Calibration Standard	IPTS 48 or IPTS 68
Operating Mode	Lance check, Temp Check, Curve Simulation
Instrument Accuracy	$\pm 1.8^{\circ}\text{F}$ ($\pm 1^{\circ}\text{C}$)
Operating Temperature	32°F - 140°F (0°C - 60°C)
Ambient Humidity	0 – 90% Non-Condensing
Battery	Li-Polymer 3.7 V 2500 mAh
Battery Charger	100 - 240 V 60 Hz AC Input 5V 1 A DC Output
Charging Time	150 minutes (0 – 100% charge)
Housing	IP 65 AND UL 94 V-0 rated box
Storage Temperature	0°F - 185°F (-17°C - 85°C)

Ordering Information

CC-1-IPTS68-X	CC-1 with charger, batteries, protective case
X: Thermocouple	S: S type TC with lance contact block and standard TC plug K: K type TC with standard TC plug SK: Both
Example: CC-1-IPTS68-S: CC-1 setup for Type S thermocouple input in IPTS 68 calibration standard	

You've Been Using Our Products Since 1975!

SYSCON International, Inc. has manufactured molten metal temperature measuring and thermal analysis systems for a major private-label customer since 1975. Additional SYSCON Sensors products include:

- TS-1 Handheld Digital Pyrometer
- WM-1 Wall-Mount Digital Pyrometer
- FL-1 Ferrolab Thermal Analysis System
- Single & Multi-Use Thermocouple Tips
- Sampling Cups
- Steel Samplers
- Repair, Replacement Parts, & Calibration Services