

» CK-800

Automatic Calibration Kit for Extended Area Blackbodies

The CK-800 is a NIST (National Institute of Standards and Technology) traceable temperature calibration kit enabling fully automatic or semi-automatic recalibration of CI Systems' Extended Area Blackbodies.

It achieves outstanding results by using the most advanced, thermally stable electronic circuitry. Temperature data of either the emitter, targets or the temperature difference between them is displayed digitally.

The CK-800 is compatible with all of CI Systems' Extended Area Blackbodies: SR-800, SR-800R and SR-800N series.

The CK-800 includes a digital thermometer, high precision sensors, CI's automatic calibration software and calibration certificate



» FEATURES

- ▶ Automatic Blackbody Calibration
- ▶ RS232 communication (GPIB optional)
- ▶ High precision digital thermometer
- ▶ NIST traceable

» SPECIFICATIONS

Temperature displays	Digital display of emitter, target plate and their difference in C°, K°, F° including resistance of PRT
Resolution, °C	0.001
Temperature range, °C	-60 to +180
Absolute calibration accuracy, °C	± 0.004 @ -60, ± 0.006 @ 0, ± 0.009 @ 100, ± 0.012 @ 180
Long term drift typical, °C	± 0.020 per year
Measurement current, mA	1
Ambient operating temperature range, °C	0 to +60
Storage temperature range, °C	-40 to +85
Relative humidity, %	0 to 95 noncondensing
Power supply, VAC	230/115 (50/60 Hz, 75 Watts)
Dimensions (Height x Width x Depth), cm	12 x 19 x 30
Weight approximately, kg	2.5
Recalibration interval for NIST traceability	12 months

