

MODEL	ORDER CODE
Therma K Metal	221-900
CaterTemp Metal	221-810

SPECIFICATIONS

Therma K Metal	-148 to 2501°F (-100 to 1372°C)
Range	
CaterTemp	-58 to 572°F (-50 to 300°C)
Metal Range	
Resolution	0.1/1° auto ranging @ 999.9°
Accuracy	±0.5°F (±0.3°C) from 32 to 212°F (0 to 100°C) ±0.7°F (±0.4°C), ±0.1% full range
Battery	3 x AAA, minimum 5 years (10,000 hours)
Auto-Off	After 10 min. (user selectable)
Probe	Type K thermocouple, mini socket
Environmental	-4 to 122°F (-20 to 50°C)
Range	
Display	0.5-inches (12 mm) LCD
Dimensions	5 H x 2.2 W x 1 D inches (128 H x 56 W x 25 D mm)
Weight	4.6 oz. (130 g)
Calibration	NIST-traceable certificate included

ACCESSORIES/RELATED ITEMS



**Duracell Procell
AAA Battery**
(PC2400)



**Mini-Handle Super-Fast™ Penetration
Type K Thermocouple Probe**
(THS-313-158)



ThermoWorks

Therma K Metal CaterTemp Metal



ThermoWorks

ThermoWorks, Inc.
Utah, U.S.A.

Ph: 801-756-7705 Fax: 801-756-8948
www.thermoworks.com



Operating Instructions

INSTRUMENT OPERATION

Where applicable, connect a probe via the socket at the top of the instrument. Switch the instrument on and apply the tip of the probe to the substance, medium, or surface to be measured. The instrument reading may take seconds to stabilize depending on the nature of the measurement and the sensitivity of the probe.

SENSORS

CaterTemp Metal has a fixed type K probe.

Therma K Metal should only be used with a type K thermocouple probe made to BS EN 60584:1996 that is fitted with a suitable miniature thermocouple plug. Go to www.thermoworks.com for suitable probes that measure liquids, air, solids, and surface temperatures. Custom probes are also available.

HOLD

Press the 'HOLD' button to freeze the display. Press 'HOLD' again to return the instrument to normal operation.

CHANGE FROM FAHRENHEIT TO CELCIUS

Press and hold the 'ON/OFF' button for 5 seconds at startup and the displayed temperature will change from °F to °C.

RESOLUTION

The instrument automatically changes range from 0.1° measurements to 1° measurements after 999.9°.

AUTO-OFF

The instrument will turn off automatically 10 minutes after the last button press. To disable auto-off, press down the 'HOLD' button while switching on the instrument (this is reset when the instrument is turned off).

UNDER-RANGE

If you are attempting to measure below the instrument's specified temperature range, LO will be displayed.

OVER-RANGE

If you are attempting to measure above the instrument's specified temperature range, HI will be displayed.

OPEN-CIRCUIT/FAULTY PROBE

If no probe is fitted or there is a fault with the probe, then the display will read Err.

BATTERY REPLACEMENT

The instrument will display a Lo Bat symbol to warn that the batteries will need changing soon. The instrument continues to measure accurately, but after further usage, the instrument will display 'FLAt bAt' and shut down.

To replace the batteries, remove cover and release the battery pack. Replace with 3x AAA Alkaline batteries. When refitting cover ensure seals are undamaged and positioned correctly. Firmly tighten screws to compress seal.

EMC/RFI

Readings may be affected if the unit is operated within a radio frequency electromagnetic field strength of approximately 3 volts per metre, but the performance of the instrument will not be permanently affected.

GUARANTEE

This instrument carries a two-year warranty against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of ThermoWorks, be either repaired or replaced without charge. This warranty does not apply to probes, where a six-month period is offered. Full details of liability are available within ThermoWorks' Terms & Conditions of Sale at www.thermoworks.com/product-warranty.

For warranty, service, and technical assistance, please contact ThermoWorks' Technical Support at (801) 756-7705 or email at techsupport@thermoworks.com.