



MONARCH INSTRUMENT

Innovation in Instrumentation

INFRARED AND K-TYPE THERMOMETER MODEL 1322

Simple and accurate switching from IR to Type-K T/C allows a wide of temperature applications.

- **Laser Sighting for IR mode**
- **8:1 field of view optics**
- **Adjustable emissivity**
- **Audible and visual alarms**
- **°C/°F selectable**

Specifications

Display: Backlit LCD display
 Measurement Range: -20 to 500°C (-4 to 932°F)
 Resolution: 1°C / 1°F
 Accuracy: ± 3% reading or ± 3°C
 Spectral Response: 6 to 14 μm
 Field of View: 8:1 optics ratio with a 1" min target
 Emissivity: 0.1 to 1.0 adjustable
 Auto power off: approx. 15 sec
 Sighting: Laser Circle Marker 1mw
 Laser Safety Class: Class 2
 Battery Life: 50 hrs
 Power Source: (1) 9V cell
 Environmental: 0 to 40°C (32 to 104°F) below 80%RH
 -10 to 60°C (14 to 140°F) below 70%RH
 Dimensions: 170mm X 44mm X 40mm (6.7 x 1.7 x 1.6")
 Weight: 180g (6.3 oz)
 Accessories: Instruction Manual, Battery, Carry case

K-TYPE THERMOMETER

Specifications:

Measurement Range: -50 to 1333°C (-58 to 1999°F)
 Resolution: 0.1°C / 1°C, 0.1°F / 1°F



Model 1322 pictured with optional TPK-02 Immersion K-Type Probe

K-Type Thermometer Specifications			
Function	Resolution	Range	Accuracy
°C	0.1°C	-50°C to 0°C 0°C to 200°C	± (0.2%rdg + 1.0°C) + (0.1%rdg + 0.8°C)
	1°C	200°C to 1333°C	+ (0.2%rdg + 2°C)
°F	0.1°F	-58°F to 32°F 32°F to 200°F	± (0.2%rdg + 2°F) + (0.1%rdg + 1.6°F)
	1°F	200°F to 1999°F	± (0.2%rdg + 3°F)



Covered by one or more of the following patents:
 US PAT. B1 5,368,392; 5,524,984; 5,727,880; 5,823,678; 5,823,679
 GERMANY; G 94 22 197.9; G 94 22 203.7
 FRANCE: 2 767 921; HOLLAND: 1007752
 OTHER US AND FOREIGN PATENT APPLICATIONS PENDING.

ORDERING INFORMATION: MODEL 1322 INFRARED THERMOMETER ITEM # 7803-0202
General Purpose T/C TP-K02 ITEM # 7803-0252

MD1322infrared.rtf