



VOLTCRAFT®

VOLTCRAFT® - TOP PERFORMANCE IN EVERY WAY

“For more than 25 years, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft’s success.”

IR 1201-50D USB **IR THERMOMETER**

N° 1599564

CE

VERSION 05/18

The infrared thermometer allows contactless measurement of surface temperatures. It measures the temperature by means of the infrared energy emitted by each object. It is ideal for dangerous objects, objects that are difficult to access, moving objects or objects supplied with electrical voltage. A dual laser targeting device facilitates specification of the measurement range. In addition, contact measurement with a K-type thermocouple sensor is possible. The emission level can be adjusted to the surface properties of the measured object at hand. The IR thermometer also has an internal memory for up to 30 measured values. These values can be read on the display of the measuring device or via the built-in USB port.

HIGHLIGHTS

- Graphic dot matrix display //**
- USB interface //**
- Dual target laser //**
- Permanent measuring function //**
- Min/Max/Ø and difference display //**
- Hi/Lo alarm //**
- Adjustable emission level //**
- K-type-sensor measuring function //**
- 30 measured-values memory //**



TECHNICAL DATA

Power supply	9 V block battery
Response time	150 ms
Emission level	0.1 – 1.00 (adjustable)
Resolution	0.1 °C/°F
IR optics	50:1
Laser	output <1 mW, laser class 2, wavelength 630 - 670 nm
Operating conditions	0 to +50 °C, 10 – 90 % RH
Storage conditions	-10 to +60 °C, <80 % RH
System requirements	Windows® 2000 and higher
Weight	330 g
Dimensions (W x H x D)	204 x 52 x 155 mm

IR measurement range °C	Accuracy	Reproducibility
-50 to +20 °C	+/- 3 °C	+/- 1.5 °C
+20 to +500 °C	+/- 1 % +/- 1 °C	+/- 0.5 % or +/- 0.5 °C
+500 to +1000 °C	+/- 1.5 %	
+1000 to +1200 °C	+/- 2.0 %	+/- 1.0 %

IR measurement range °F	Accuracy	Reproducibility
-58 to +68 °F	+/- 5.4 °F	+/- 2.7 °F
+68 to +932 °F	+/- 1 % +/- 1.8 °F	+/- 0.5 % or +/- 0.9 °F
+932 to +1832 °F	+/- 1.5 %	
+1832 to +2192 °F	+/- 2.0 %	+/- 1.0 %

Contact measurement range °C	Accuracy
-50 to 0 °C	+/- 2 °C
0 to +1370 °C	+/- (0.5 % + 1.5 °C)

Contact measurement range °F	Accuracy
-58 to +32 °F	+/- 3.6 °F
+32 to +2498 °F	+/- (0.5 % + 3 °F)

PACKAGE CONTENT

IR thermometer // Battery // Type-K temperature sensor (measurement range -20 to +250 °C) // Tripod // USB cable // Software CD // Transport case // Operating instructions

This is a publication by Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau (www.conrad.com).

All rights including translation reserved. Reproduction by any method, e.g. photocopy, microfilming, or the capture in electronic data processing systems require the prior written approval by the editor. Reprinting, also in part, is prohibited. This publication represent the technical status at the time of printing.