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› VOLT CRAFT IR 110-1S Infrared Thermometer User Manual

VOLT CRAFT IR 110-1S

VOLT CRAFT IR 110-1S Infrared Thermometer

User Manual

INTRODUCTION

The VOLT CRAFT IR 110-1S is a compact and precise infrared thermometer designed for non-contact temperature measurements. Its user-friendly design and wide temperature range make it suitable for various applications, from household use to professional tasks. This manual provides essential information for safe and effective operation of your device.

Key Features:

- Small, convenient, and accurate design.
- Wide range of optional features for versatile use.
- Minimum/Maximum temperature function.
- Automatic shutdown after 15 seconds of inactivity.
- Duration measurement activation.



Front view of the VOLTcraft IR 110-1S Infrared Thermometer, showing the display, 'SCAN' button, and 'MODE' button.

Safety Information

Please read and understand all safety instructions before using the device. Failure to follow these instructions may result in injury or damage to the device.

- Always point the thermometer away from eyes when operating. Do not look directly into the laser beam.
- This device is not intended for medical use.
- Keep out of reach of children.
- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or modify the device.
- Dispose of batteries according to local regulations.

PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x VOLTcraft IR 110-1S Infrared Thermometer
- 1 x User Manual

PRODUCT OVERVIEW

Familiarize yourself with the components of your VOLTcraft IR 110-1S thermometer.



An angled view of the VOLTcraft IR 110-1S Infrared Thermometer, highlighting the display and control buttons.

1. Infrared Sensor (at the top)
2. LCD Display
3. SCAN Button (black, for measurement activation)
4. MODE Button (red, for function selection)
5. Battery Compartment (on the rear side)

SETUP

Battery Installation

The VOLTcraft IR 110-1S requires two AAA batteries (not included). To install:

1. Locate the battery compartment cover on the back of the device.
2. Slide the cover open.
3. Insert two AAA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.



Side view of the VOLTcraft IR 110-1S Infrared Thermometer, showing its slim profile and indicating the general area for battery access.

OPERATING INSTRUCTIONS

Basic Temperature Measurement

1. Point the infrared sensor towards the target object. Ensure the distance-to-spot ratio (D:S) of 1:1 is considered for accurate readings. For example, at 1 meter distance, the measurement spot diameter is 1 meter.

2. Press and hold the **SCAN** button. The current temperature will be displayed on the LCD.
3. Release the **SCAN** button to hold the reading. The 'HOLD' indicator will appear.
4. The device will automatically shut down after 15 seconds of inactivity to conserve battery.

Changing Temperature Units (°C/°F)

With the device powered on, press the **MODE** button to toggle between Celsius (°C) and Fahrenheit (°F).

Min/Max Function

While holding the **SCAN** button, press the **MODE** button to cycle through MIN (minimum) and MAX (maximum) temperature readings during the scan. The display will show the minimum or maximum temperature recorded during the active scan.



Close-up of the VOLTcraft IR 110-1S display, showing a temperature reading of 32.1 °C.

MAINTENANCE

- Clean the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Keep the infrared lens clean and free from dust or debris for accurate measurements.
- Store the thermometer in a dry, cool place when not in use.
- Remove batteries if storing for extended periods to prevent leakage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No display	Dead batteries / Incorrect battery installation	Replace batteries / Check polarity
Inaccurate readings	Dirty sensor lens / Incorrect distance / Object emissivity	Clean lens / Adjust distance (D:S 1:1) / Understand emissivity limitations (e.g., reflective surfaces)
Device does not turn on	Batteries dead or missing	Install or replace batteries

SPECIFICATIONS

Feature	Value
Model	IR 110-1S
Temperature Range	-33 °C to +110 °C (-27.4 °F to +230 °F)
Measurement Accuracy	±2.5% or ±2.5 °C (whichever is greater)
Distance to Spot Ratio (D:S)	1:1
Emissivity	Fixed at 0.95
Response Time	< 1 second
Spectral Response	5.5 - 14 µm
Automatic Shutdown	After 15 seconds
Dimensions (H x W x D)	73 x 33 x 14 mm
Weight	22 g (without batteries)
Power Supply	2 x AAA batteries

WARRANTY

VOLTCRAFT products are covered by a standard manufacturer's warranty. Please refer to the warranty card included with your purchase or visit the official VOLTCRAFT website for detailed warranty terms and conditions. Keep your proof of purchase for warranty claims.

SUPPORT

For technical assistance, troubleshooting, or product inquiries, please contact VOLTCRAFT customer support. Contact details can be found on the official VOLTCRAFT website or in the product packaging. Please have your model number (IR 110-1S) ready when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question