



BTMETER BT-1880 Infrared Thermometer Manual & Datasheet

Overview

Industrial non-contact infrared thermometer used for measuring surface temperatures in electrical, HVAC, automotive, and industrial applications.

Safety Instructions

Do not use on humans or animals. Avoid pointing laser into eyes. Do not use in explosive environments.

Setup

Insert a 9V battery, close the compartment, and press the trigger to power on.

Usage

Aim at the target, press and hold the trigger, read the temperature on the LCD, release to hold reading.

Distance to Spot Ratio

50:1 ratio. Ensure target is larger than the measurement spot for accurate readings.

Functions

MAX/MIN/AVG modes, °C/°F switch, dual laser targeting, backlight display, flashlight.

Emissivity

Adjustable from 0.1 to 1.0 depending on material type.

Datasheet

Feature	Value
Model	BT-1880
Temperature Range	-50°C to 1880°C
Accuracy	±2% ~ ±3%
Response Time	0.25 sec
Distance Ratio	50:1
Emissivity	0.1 – 1.0
Power	9V Battery