

# Digital Infrared Thermometer PHOTOTEMP C3



## DESCRIPTION

VAISESHIKA offers Phototemp C3 which have been designed to meet the industrial calibration requirements and temperature measurement needs at competitive cost.

Infrared thermometers allows users to measure temperature in applications where conventional sensors cannot be employed. Specifically, in cases dealing with moving objects (such as rollers, moving machinery, or a conveyer belt), or where non contact measurements are required because of contamination or hazardous reasons.

The critical considerations for any infrared thermometer include field of view, type of surface being measured, and spectral response. Other consideration include response time, environment, mounting limitations, viewing port or window applications, and desired signal processing.

**A DIGITAL CAMERA IS ATTACHED WITH THIS MODEL FOR CAPTURING IMAGES.**

## Features:

- ◆ Deterioration-free measurement of moving components.
- ◆ Measurement of dangerous matter. (Eg. Electrically live parts, chemically aggressive materials etc.)
- ◆ Measurements in inaccessible locations.
- ◆ Fully developed laser sighting technology
- ◆ Very good Optical characteristics.
- ◆ additional port for K type T/C.
- ◆ Digital Camera attachment.
- ◆ Easy to use PC compatible software.

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**Technical Specifications:**

Measuring Range	-30°C to 900 °C
Display resolution	0.1 °C of reading upto 900°C
Distance to spot size	60:1 Standard Focus 50:1 Close focus
Minimum Measurement Diameter	19mm (0.76in ) Standard Focus) 6mm (0.24 in) Close focus
Laser sighting	Three point coaxial laser
Emissivity	Digitally adjustable from 0.10 to 1.0 by 0.01 steps
Display Accuracy	± 0.75% of reading or ± 0.75°C, whichever is greater
Response time	250 mSec (95% of reading)
Repeatability	+0.5%of reading or ± 1°C, whichever is greater
Spectral Response	8 µm to 14 µm
Tripod mount	¼ in. 20 UNC threading
Power	2 AA batteries
Battery Life	8 hours without camera
Display hold	7 seconds
LCD backlit	Provided
Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 50°C
Max., Min temperature	Provided
Dif, AVG temperature	Provided
Alarms	Low and High
Bar graph Display	Provided
Data graphing and storage software	Provided

Camera Details (provided optionally)

Resolution	640X480 pixels and 320X240 pixels
Storage memory	26 for 640X480 pixels 100 for 320X240 pixels
Image format	JPEG
Spot	42 mm lens
Output	Serial interface USB and 1 mV / °C
Dimensions / Weight	200X230X50mm / 480 grams(incl. battery)
Accessories	Complete with arm strap, service / transport case, USB cable, software