

What's New!

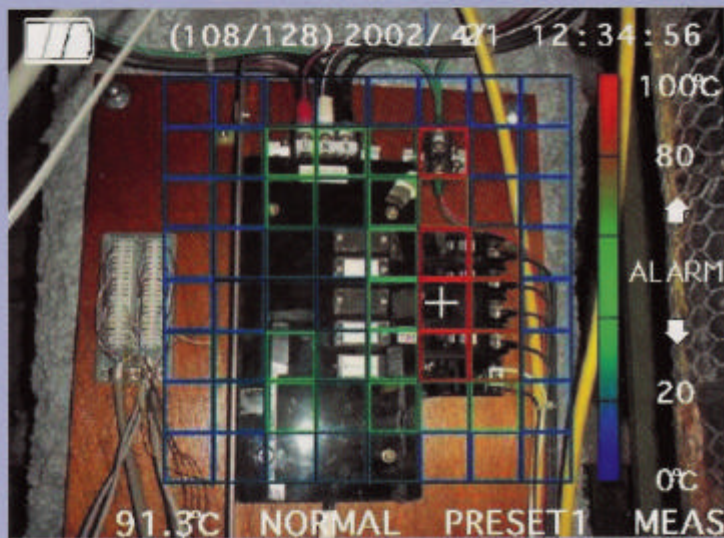
Reference material



Heat distribution at a glance!

World first! 64-element thermopile.

This infrared thermometer is capable of recording areas of measurement in the form of image and temperature data, while at the same time displaying such visual information on the LCD screen. This instrument can be operated with the same degree of ease that one can experience when using a digital camera.



Both visible images and temperature data can be seen on the same screen.



isquare 2 Dimensional Infrared Thermometer

ii-1064



This thermometer:

- Provides instant measurement of temperature distribution within the area being measured.
- Allows for ease of data management in a personal computer, since the measurement data can both be recorded and stored on a CF card.
- Allows images to be video-recorded for subsequent use for temperature rise testing.
- Is very small and light, and can thus be easily carried.

Control switch



■ Is both compact and handy

Specifications

Temperature measurement part

Measurement range	-50 to 1000°C / -58 to 1832°F
Temperature detection element	64 element thermopile array sensor
Measurement point	64point (8 Horizontal lines×8 Vertical lines)
Measurement point / pace	55mm / 1m(Distance)
Measurement area	44cm×44cm / 1m(Distance)
Measurement wavelength	8 to 16 μm
Radiation rate compensation	0.1~1.00 / 0.01step
Display resolution	0.1°C / 0.1°F
Accuracy	±2°C / ±3.6°F or less(0 to 200°C / 32 to 392 °F)※

Visible Photograph part

Photo image device	CMOS color image sensor
Image degree	50 degree (standard direction)
Extreme neighboring distance	0.5m

Display part

LCD size	3.8 inch (320×240 pixel)
Specification	Transparent type TFT color monitor
Back light	Cold-cathod tube

※ Ambient temperature: 23°C ±5°C / 73.4°F ±4°F,
Ambient humidity: 35 to 75%, Emissivity: 1.00

Other specifications

How to indicate temperature data	Each measurement point : Frame display (Temperature display color setting is changeable) chosen measurement point: digital value display
Indication language	English
Temperature indication	°C / °F
Data memory	CF card (8~128MB)
Preservation form	Visible image→JPEG, Temperature data→CSV
Image data elimination	Choice can be erased
Auto logging	Can be chosen
Power supply	number3 alkaline batteries, or AC adapter
Image output	NTSC video output
Ambient conditions	0 to 40°C / 32 to 104°F, Relative humidity 35 to 85%, and no condensation
Dimension	167(W)×123(D)×55(H)mm
Mass	Approx. 700g
Accessories	Instruction manual, CF card 16MB, hand strap, A3 dry-cell battery×6
Option	Option set (AC adapter, Carrying case, video cable)

Function

Alarm (Buzzer and indication) / Auto off / Calendar / battery alarm (Battery rest quantity is shown by the display.)

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