

# Product data sheet

## THERMAL IMAGER VISUAL INFRARED THERMOMETER

Visual infrared thermometer with hot and cold spot temperature markers to guide user to the hottest and coldest area in the infrared heat map. Functions include image capture and SD storage card, USB edge PC for picture reading, selectable colour palettes. Supplied complete with Factory Certificate of Calibration

### Applications:

- Power industry
- Fire safety
- Automotive testing
- Building energy saving
- Scientific research and development
- Industrial testing
- Petrochemical
- Aerospace
- Transportation
- Agricultural ecology.

### Product features:

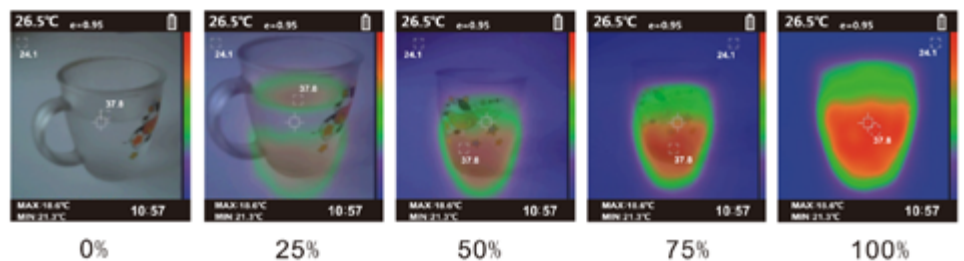
- TFT colour LCD display
- Adjustable emissivity and reflected background compensation to improve accuracy on semi-reflective surface
- Hot and cold spot temperature markers to guide user to the hottest and coldest area in the infrared heat map
- Visual and heat map image alignment edge detection line
- Adjustable emissivity from 0.1 to 1.0
- Image capture and SD storage card
- USB edge PC for picture reading
- Selectable colour palettes
- Supplied with Factory Certificate of Calibration and presented in protective box



View options: 25% step length, full infrared vision to fill visible light visual and infrared missing. Edge detection line.  
 USB: To read SD card (after connecting to PC, SD card exists in the form of mobile U disk).

### Accessories:

- User manual
- Protective case
- SD card & card reader
- USB cable
- 4pc x AA batteries



Description	Barcode	Product No
Thermal Imager Visual Infrared Thermometer	5 011405 387080	38/708/0

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## Product specifications:

<b>IR Temperature range:</b>	-20 to +380°C (-4 to +716°F)
<b>IR Image resolution:</b>	33 x 33 (1089 pixels)
<b>Display resolution:</b>	240 x 320 pixels
<b>Visual image resolution:</b>	300000 pixels
<b>Field angle:</b>	32 x 32 degrees
<b>Accuracy*:</b>	>0°C, +/- 2% or rdg +/-2°C/3.6°F <0°C, +/- 3°C/5.4°F
<b>Best focus distance:</b>	0.5m
<b>Thermal sensitivity:</b>	0.15°C/0.27°F
<b>Emissivity:</b>	Adjustable 0.1 to 1.0
<b>Spectral range:</b>	8-14um
<b>Palette:</b>	Ink colour, black and white, rainbow colour, ocean blue, iron red
<b>Image frequency:</b>	9HZ
<b>Focus mode:</b>	Fixed
<b>Storage:</b>	8GB micro SD card
<b>File format:</b>	BMP
<b>Auto power off:</b>	3, 5 or 10 minutes are optional
<b>Batteries:</b>	4pcs x AA (included)
<b>Over-range indication:</b>	Over
<b>Operating conditions:</b>	-5 to 40°C / 10 to 80%RH
<b>Storage conditions:</b>	-20 to 55°C / 10 to 80%RH
<b>CE &amp; RoHS/WEEE:</b>	Compliant
<b>Hazard information (SDS):</b>	See <a href="http://brannan.co.uk">brannan.co.uk</a> for information
<b>LCD dimensions:</b>	48 x 36mm
<b>Product dimensions:</b>	Packaged: 133 x 251 x 90mm Unpackaged: 193 x 92 x 56mm
<b>Product gross weight:</b>	Packaged: 823g
<b>Component weights:</b>	Meter: 288.5g Protective case & accessories: 223.5g Box: 311g



\*Accuracy is measured in an environment of 18-28°C



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the website



Measurement for life.

