



80  
X  
64

IR resolution  
80x64 pixels  
(9870)

32  
X  
32

IR resolution  
32x32 pixels  
(9869)

NETD  
0.15°C

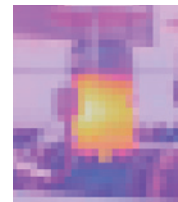
Thermal sensitivity  
0.15°C (0.27°F)  
@ 1Hz and 100°C

9869 is a Professional InfraRed 32x32 pixels Imager Thermometer with 2.2" color TFT LCD display, 32x32 pixels Imagers & a microSD memory card for capturing images(BMP) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements with cloud computing service.

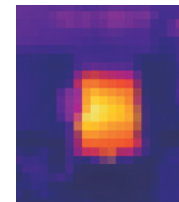
9870 is a Professional InfraRed 80 x 64 pixels Imager Thermometer.



25% visual



50% blend



70% blend

9869/9870 combines the convenience of a digital camera with a thermal heat map at breakthrough affordability. The blended image eliminates guesswork and tells you the exact location of the issue.

### Features

	9869	9870
IR temperature measurement resolution	32x32 pixels	80x64 pixels
2.2" TFT 320x240 Pixels color LCD display	*	*
Image Capture Frequency 9Hz	*	*
Thermal Sensitivity (NETD) ≤150 mK	*	*
Hot Spot and Cold Spot Tracking	*	*
Visual Camera & Images Capture(BMP)	*	*
MicroSD memory card	*	*
Date/time setup controls, Adjustable emissivity & trigger lock	*	*
Li-ION rechargeable battery	*	*
USB interface to smartphone / PC.	*	*
Language selection: English, Chinese	*	*
Meterbox IRTP & cloud service	*	*

### Specifications

Imaging and optical data	
Thermal sensitivity (NETD)	0.15°C (0.27°F) @ 1Hz and 100°C
Image frequency	9Hz
Detector data	
Detector type	Uncooled hyper-thin pyroelectric ceramic
Spectral range	8-14μm
IR resolution	32 x 32 pixels (9869) 80 x 64 pixels (9870)
IR temperature Measurement	
Object temperature range	-20°C to +800°C (-4°F to +1472°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading
Spotmeter	Center spot
Emissivity adjustable	0.10-1.0 Adjustable
Micro SD memory card	MAX. support 8GB
Field of View	33° X 33°
Color palettes	GRAY/GRAY IRON/ IRON/RAINBOW
Image storage format	Standard BMP, including measurement data, on memory card > 1000 pictures

Size(HxWxD): 125mm x 58mm x 205mm

Weight: 494g

Accessories:

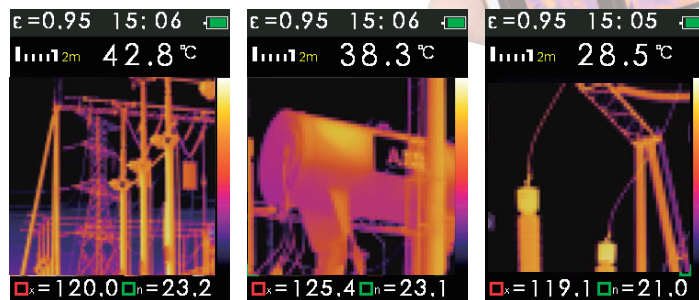
3.7V Li battery, USB cable,  
Carrying case and Gift box



EMC  
EN: 61326-1  
EN: 61010-1



Model: 9869



ε=0.95 15:06 42.8°C  
ε=0.95 15:06 38.3°C  
ε=0.95 15:05 28.5°C

□=120.0 □=23.2  
□=125.4 □=23.1  
□=119.1 □=21.0

9868 is a Professional InfraRed 32x31 pixels Imager Thermometer with 2.2" color TFT LCD display, 32x31 pixels Imagers & a microSD memory card for capturing images(BMP) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements with cloud computing service.

### Features

2.2" TFT 320x240 Pixels color LCD display  
IR temperature measurement with resolution 32x31 pixels  
Image Capture Frequency 9Hz  
Thermal Sensitivity (NETD) ≤150 mK  
Hot Spot and Cold Spot Tracking  
Visual Camera & Images Capture(BMP)  
MicroSD memory card  
Date/time setup controls, Adjustable emissivity & trigger lock  
Li-ION rechargeable battery  
USB interface to smartphone / PC.  
Language selection: English, Chinese  
Meterbox IRTP & cloud service

### Specifications

Imaging and optical data	
Thermal sensitivity (NETD)	0.15°C (0.27°F) @ 1Hz and 100°C
Image frequency	9Hz
Detector data	
Detector type	n-poly / p-poly Si
Spectral range	8-14μm
IR resolution	32 x 31 pixels
Display	2.2" TFT 320x240 pixels color LCD display
IR temperature Measurement	
Object temperature range	-20°C to +300°C (-4°F to +572°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading
Spotmeter	Center spot
Emissivity adjustable	0.10-1.0 Adjustable
Micro SD memory card	MAX. support 8GB
Field of View	40° X 40°
Color palettes	GRAY/GRAY IRON/ IRON/RAINBOW
Image storage format	Standard BMP, including measurement data, on memory card > 1000 pictures

Size(HxWxD): 125mm x 58mm x 205mm

Weight: 494g

Accessories:

3.7V Li battery, USB cable,  
Carrying case and Gift box

### iRTP software for InfraRed Thermometer

Meterbox iRTP smartview software provides a professional report with table and chart, details including data analysis, alarm indication, fault doubt share, inspector management, application scene, fast inspection, scene mode, equipment maintenance and quality inspection.

The smart choice

- The default usage scene
- Data analysis
- Table and chart display
- Alarm indication
- Fault doubt share
- Inspector management
- Fast inspection
- Scene mode
- Equipment maintenance
- Quality inspection



2.2" TFT Color LCD display

32x31 Pixels IR images



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