Thermal Imagers / Imager Thermometers

The Thermal Imager is designed for Non-contact detection and calculation of apparent surface temperature, and the thermal image creation is based on the temperature variation. Imager Thermometers provide fast and accurate readings for most surface temperature measurements with TFT color LCD display & Imager Video format. Built for tough work environments, these high-performance, fully radiometric imagers are ideal for troubleshooting electrical systems, electro-mechanical equipment, process equipment, HVAC/R equipment and others.

High Performance Industrial Thermal Imagers

The ultimate tools for troubleshooting and maintenance (see page 20)
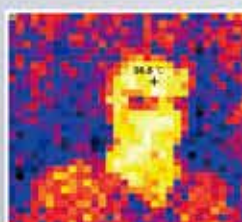
Industrial-Commercial Thermal Imagers

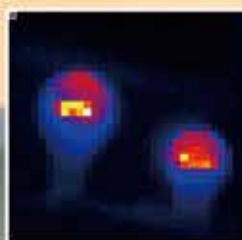The ultimate tools for energy audits, building maintenance, restoration and remediation. (see page 25)

32x31 pixels Imager Thermometer
(see page 31)

Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage

32x31 pixels Imager Thermometer
(see page 32)

9897 640x480 High Resolution and Performance Industrial Thermal Imager is a perfect tool for even small temperature differences that could indicate problems with excellent thermal sensitivity.Built for tough work environments, these high-performance, fully radiometric imagers are ideal for troubleshooting electrical systems, electro-mechanical equipment, process equipment, HVAC/R equipment and others.

Model: 9897

- Engineered and tested to withstand 2 m (6.5 ft) drop and dust&water IP 65 rating
- Bump/Vibration, 25g(IEC60068-2-29)/2g(IEC60068-2-6)
- Innovative protective lens cover protects the lens when not in use
- Identify even small temperature differences that could indicate problems with excellent thermal sensitivity (NETD), find problems quickly
- Even the smallest details become visible with the large, widescreen full color LCD display
- Meterbox software is strong for enhanced problem detection and analysis capabilities
- New operation system is easier for your inspection application

EMC
EN: 61326-1
EN: 61010-1

Wi-Fi Connectivity/ Bluetooth Communication

Specifications

Imaging and optical data	
IR resolution	640x480pixels, focal plane array (FPA), uncooled microbolometer
Field of View (FOV)	24.6°x 19.8°
Minimum focus distance	0.3m (0.99ft.)
Spatial resolution	(IFOV) 0.45mrad
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK
Image frequency	50Hz
Focus	Manual
Zoom	1-32x continuous, digital zoom
Rotate	0-360°, continuous change by 1°
Image presentation	
Display	3.5" TFT , capacitive touch screen
Image modes	IR image, visual image, picture in picture
Picture in Picture	IR area on visual image or visual image area on IR
Color palettes	GRAY/GRAY IRON/IRON/RAINBOW/FEATHER
Measurement	
Object temperature range	Low range: −20°C to +150°C (−4°F to +302°F) High range: 0°C to +400°C (+32°F to +752°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading
Measurement analysis	
Spotmeter	3
Emissivity adjustable	0.01~1.0 Adjustable
Line	2 lines(horizontal and vertical)
Area	3 boxes with max. /min. /average
Automatic hot /cold detection	Auto hot or cold spotmeter marks
Difference temperature	Delta temperature between measurement pointer and reference pointer
Set-up	
Laser / floodlight	< class2 / white LED floodlight
Set-up commands	Local adaptation of units, language, date and time formats, information of camera
Language selection	English, Chinese, French, German, Spanish
Storage of videos/images	
Storage media	4Gbytes Micro SD card, Standard JPEG, including measurement data, on memory card > 1000 pictures
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes
Video storage mode	IR/visual images; simultaneous storage of IR and visual images
Digital camera	
Built-in visible light digital camera	2 Mega Pixels
Data communication interfaces	
USB interfaces	USB-mini, data transform between camera and PC remote control, live video
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control,live video
Video out	Composite(PAL and NTSC)
Power system	
Battery	Lithium polymer battery, 4 hours operating time
Input voltage	DC 9V to 12V
Charging system	In camera (AC adapter)

Full Infrared

Picture-in-Picture

Color Alarm

Full visible light

11mm Lens RL-11

38mm Lens RL-38

22mm Lens RL-22

Size(HxWxD): 243mm x 103mm x 160mm **Weight:** 920g
Accessories: Hard transport case, 38mm lens, Sun Visor, Tripod base, AC charger/Power supply, Earphone, Battery, Camera lens cap, software CD-ROM, Handstrap, micro SD card, USB cable & RCA cable, Gift box.

CEM

DT-9885/9887
384 x 288 High Performance Thermal Imager

DT-9885/9887
384 x 288 High Performance Thermal Imager

CEM

9885/9887 is High Performance Thermal Imager with high resolution 384x288, esay to help you to find the potential problems with innovation features and functionality, you can perform infrared inspections faster and more efficiently and thoroughly document problem areas for additional following:

Key features
● 384x288 High Performance & high resolution Thermal Imager with TFT color LCD display
● Professional IR-optical focus system ensures that images are in good focus for optimum image clarity and scanning convenience.
● Capture additional measurements fast and conveniently with wireless modules (9887 only)
● Meterbox analysis system—quickly identify and keep track of inspection locations by adding digital images of important information and surrounding areas
● Find problems faster and easier with accurately identify potential issues by combining digital and IR images
● Picture in Picture function Displays thermal image super-imposed over a digital image
● LED Flashlight allows the visual camera and fusion to be used in poorly lit environments
● Wide Temperature Range from -20 to +400°C targeting electrical and industrial applications
● ±2% Accuracy for reliable temperature measurement
● The image rotation has the ability to automatically rotate the active image
● Audio recorded with the video image acts a speaker to listen to audio recorded with the video image
● Capacitive touch screen is easier, productive and effective to operate it
● Lithium polymer Rechargable Battery lasts >4hrs continuous use; replaceable
● An easy-to-access thumbnail image gallery helps you to quickly review and find your thermal images.
● Area (Min/Max) mode shows the Minumum or the Maximum Temperature reading in the selected area
● A conveniently located button activates the laser pointer that will help you associate the hot or cold spot in the thermal image with the real physical target in the field.
● In order to adapt the device to every situation both wide angle and tele-lenses are available.
● Equipped with standard video, USB outputs as well as a removable SD card.
● The IR video can be streamed to a PC via USB or wifi (DT-9887 only).
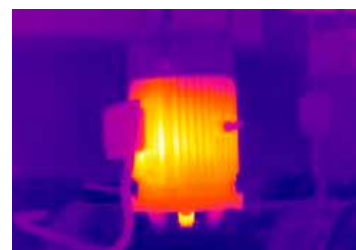
Model: 9885

EMC
EN: 61326-1
EN: 61010-1

**Wi-Fi Connectivity/
Bluetooth Communication**

Model: 9887

11mm Lens
RL-11

38mm Lens
RL-38

22mm Lens
RL-22

Full Infrared

Picture-in-Picture

Color Alarm

Full visible light

Size(HxWxD): 243mm x 103mm x 160mm **Weight:** 920g
Accessories: Hard transport case, 22mm lens, Sun Visor, Tripod base, AC charger/Power supply, Earphone, Battery, Camera lens cap, software CD-ROM, Handstrap, micro SD card, USB cable & RCA cable, Gift box.

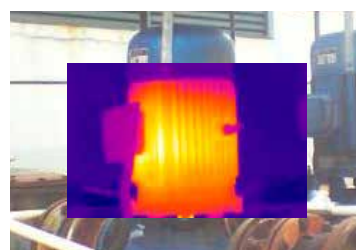| Specifications		9885	9887
Imaging and optical data			
IR resolution	384x288pixels, focal plane array (FPA), uncooled microbolometer	*	*
Field of View (FOV)	47.1°x 36.2°	*	*
Minimum focus distance	0.3m (0.99ft.)	*	*
Spatial resolution	(IFOV) 2.28 mrad	*	*
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK	*	*
Image frequency	50Hz	*	*
Focus	Manual	*	*
Zoom	32x continuous, digital zoom	*	*
Rotate	0-360°, continuous change by 1°	*	*
Image presentation			
Display	3.5" TFT , capacitive touch screen	*	*
Image modes	IR image, visual image, picture in picture	*	*
Picture in Picture	IR area on visual image or visual image area on IR	*	*
Color palettes	GRAY/GRAY IRON/IRON/RAINBOW/FEATHER	*	*
Measurement			
Object temperature range	Low range: –20°C to +150°C (–4°F to +302°F) High range: 0°C to +400°C (+32°F to +752°F)	*	*
Accuracy	±2°C (±3.6°F) or ±2% of reading	*	*
Measurement analysis			
Spotmeter	3	*	*
Emissivity adjustable	0.01~1.0 Adjustable	*	*
Emissivity table	Emissivity table of predefined materials	*	*
Line	2 lines(horizontal and vertical)	*	*
Area	3 boxes with max. /min. /average	*	*
Automatic hot /cold detection	Auto hot or cold spotmeter marks	*	*
Isotherm	Detect high/low temperature/interval	*	*
Measurement corrections	Emissivity, ambient temperature, distance, relative humidity, offset temperature	*	*
Set-up			
Laser / floodlight	< class2 / white LED floodlight	*	*
Set-up commands	Local adaptation of units, language, date and time formats, information of camera	*	*
Language selection	English, Chinese, French, German, Spanish	*	*
Storage of videos			
Storage media	4Gbytes Micro SD card	*	*
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes	*	*
Video storage mode	IR/visual images; simultaneous storage of IR and visual images	*	*
Storage of images			
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures	*	*
Image storage mode	IR/visual images; simultaneous storage of IR and visual images	*	*
Digital camera			
Built-in visible light digital camera	640x480 Pixels	*	*
Data communication interfaces			
USB interfaces	USB-mini, data transform between camera and PC	*	*
	remote control, live video		*
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control,live video		*
Video out	Composite(PAL and NTSC)	*	*
Power system			
Battery	Lithium polymer battery, 4 hours operating time	*	*
Input voltage	DC 9V to 12V	*	*
Charging system	In camera (AC adapter)	*	*
Power management	Automatic shutdown and sleep mode (user selectable)	*	*
Environmental data			
Operating temp range	–20°C to +50°C (-4°F to +122°F)	*	*
Storage temp range	–40°C to +70°C (–40°F to +158°F)	*	*
Relative humidity (operating and storage)	10%RH~90%RH	*	*
Encapsulation	IP65	*	*
Drop test	2m	*	*
Bump	25g(IEC60068-2-29)	*	*
Vibration	2g(IEC60068-2-6)	*	*

Applications
● Plant/General Maintenance
● HVAC/R
● Transportation/Automotive
● Cooling and Reheating
● Serving areas
● Food service Equipment
● Cold storage

9873 160x120 Thermal Imager is basic one only with full IR, 9875/9877 160x120 High Performance Thermal Imager is esay to help you to find the potential problems with innovation features and functionality, you can perform infrared inspections faster and more efficiently and thoroughly document problem areas for additional following:

Key features
- 160x120 High Performance Thermal Imager with high resolution TFT color LCD display
- Professional IR-optical focus system ensures that images are in good focus for optimum image clarity and scanning convenience.
- Capture additional measurements fast and conveniently with wireless modules (9877 only)
- Meterbox analysis system—quickly identify and keep track of inspection locations by adding digital images of important information and surrounding areas
- Find problems faster and easier with accurately identify potential issues by combining digital and IR images
- Picture in Picture function Displays thermal image super-imposed over a digital image
- LED Flashlight allows the visual camera and fusion to be used in poorly lit environments
- Wide Temperature Range from -20°to +400°C targeting electrical and industrial applications
- ±2% Accuracy for reliable temperature measurement
- The image rotation has the ability to automatically rotate the acti19ve image
- Audio recorded with the video image acts a speaker to listen to audio recorded with the video image
- Capacitive touch screen is easier, productive and effective to operate it
- Lithium polymer Rechargable Battery lasts >4hrs continuous use; replaceable
- An easy-to-access thumbnail image gallery helps you to quickly review and find your thermal images.
- Area (Min/Max) Mode shows the Minumum or the Maximum Temperature reading in the selected area
- A conveniently located button activates the laser pointer that will help you associate the hot or cold spot in the thermal image with the real physical target in the field.
- In order to adapt the device to every situation both wide angle and tele-lenses are available.
- Equipped with standard video, USB outputs as well as a removable SD card.
- The IR video can be streamed to a PC via USB or wifi (DT-9877 only).

Wi Fi
(9877)

Model: 9875/9877

Meterbox
IR Imager

Wi-Fi Connectivity/
Bluetooth Communication

C€

EMC
EN: 61326-1
EN: 61010-1

Model: 9873

11mm Lens
RL-11

33mm Lens
RL-33

22mm Lens
RL-22

Full Infrared

Picture-in-Picture

Color Alarm

Full visible light

Size(HxWxD): 243mm x 103mm x 160mm **Weight:** 920g
Accessories: Hard transport case (9875,9877), 7.5mm lens, Sun Visor, Tripod base, AC charger/Power supply, Earphone, Battery, Camera lens cap, software CD-ROM, Handstrap, micro SD card, USB cable & RCA cable, Gift box.
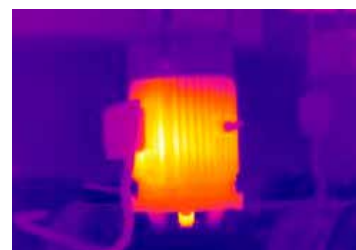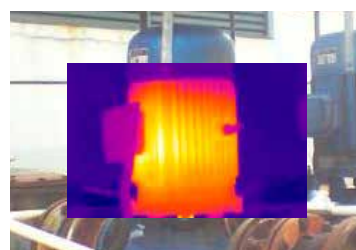
| Specifications		9871	9873B	9873	9875	9877
Imaging and optical data						
IR resolution	160x120pixels, focal plane array (FPA), uncooled microbolometer	80x80	*	*	*	*
Field of View (FOV)	29.8° × 22.6°	17°x17°	*	*	*	*
Minimum focus distance	0.2m (0.66ft.)	0.3m (0.99ft.)	*	*	*	*
Spatial resolution	(IFOV) 3.33 mrad	3.78mrad		*	*	*	*
Thermal sensitivity/NETD	< 0.08°C @ +30°C (+86°F) / 80 mK	< 0.1°C	*	*	*	*
Image frequency	50Hz	*	*	*	*	*
Focus	Manual	*	*	*	*	*
Zoom	1-20x continuous, digital zoom	*	*	*	*	*
Rotate	0-360°, continuous change by 1°	*	*	*	*	*
Image presentation						
Display	3.5" TFT , capacitive touch screen	*	*	*	*	*
Image modes	IR image, visual image, picture in picture	IR image only		*	*	*
Picture in Picture	IR area on visual image or visual image area on IR	None		*	*	*
Color palettes	GRAY/GRAY IRON/IRON/RAINBOW/FEATHER	*	*	*	*	*
Measurement						
Object temperature range	Low range: –20°C to +150°C (–4°F to +302°F) High range: 0°C to +400°C (+32°F to +752°F)	*	*	*	*	*
Accuracy	±2°C (±3.6°F) or ±2% of reading	*	*	*	*	*
Measurement analysis						
Spotmeter	3	*	*	*	*	*
Emissivity adjustable	0.01~1.0 Adjustable	*	*	*	*	*
Emissivity table	Emissivity table of predefined materials	*	*	*	*	*
Line	2 lines(horizontal and vertical)	None		*	*	*
Area	3 boxes with max. /min. /average	None		*	*	*
Automatic hot /cold detection	Auto hot or cold spotmeter marks	*	*	*	*	*
Isotherm	Detect high/low temperature/interval	None		*	*	*
Measurement corrections	Emissivity, ambient temperature, distance, relative humidity, offset temperature	*	*	*	*	*
Set-up						
Laser / floodlight	< class2 / white LED floodlight	None		*	*	*
Set-up commands	Local adaptation of units, language, date and time formats, information of camera	*	*	*	*	*
Language selection	English, Chinese, French, German, Spanish	*	*	*	*	*
Storage of videos/images						
Storage media	4Gbytes Micro SD card	*	*	*	*	*
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes	*	*	*	*	*
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures	*	*	*	*	*
Storage mode	IR/visual images; simultaneous storage of IR and visual images	IR image only		*	*	*
Digital camera						
Built-in visible light digital camera	640x480 Pixels	None		*	*	*
Data communication interfaces						
USB interfaces	USB-mini, data transform between camera and PC	*	*	*	*	*
	remote control, live video		None			*
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video		None			*
Video out	Composite(PAL and NTSC)	*	*	*	*	*
Power system						
Battery	Lithium polymer battery, 4 hours operating time	*	*	*	*	*
Input voltage	DC 9V to 12V	*	*	*	*	*
Charging system	In camera (AC adapter)	*	*	*	*	*
Power management	Automatic shutdown and sleep mode (user selectable)	*	*	*	*	*
Environmental data						
Operating temp range	–20°C to +50°C (-4°F to +122°F)	*	*	*	*	*
Storage temp range	–40°C to +70°C (–40°F to +158°F)	*	*	*	*	*
Relative humidity (operating and storage)	10%RH~90%RH	*	*	*	*	*
Encapsulation	IP65	*	*	*	*	*
Drop test	2m	*	*	*	*	*
Bump	25g(IEC60068-2-29)	*	*	*	*	*
Vibration	2g(IEC60068-2-6)	*	*	*	*	*

Applications
- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage

CEM

DT-980/980A/982/982A/983/983A
High Performance Thermal Imagers

DT-980/980A/982/982A/983/983A
High Performance Thermal Imagers

CEM

The Thermal Imager is designed for Non-contact detection and calculation of apparent surface temperature, fully radiometric imagers are ideal for troubleshooting electrical systems, electro-mechanical equipment, process equipment, HVAC/R equipment and others.
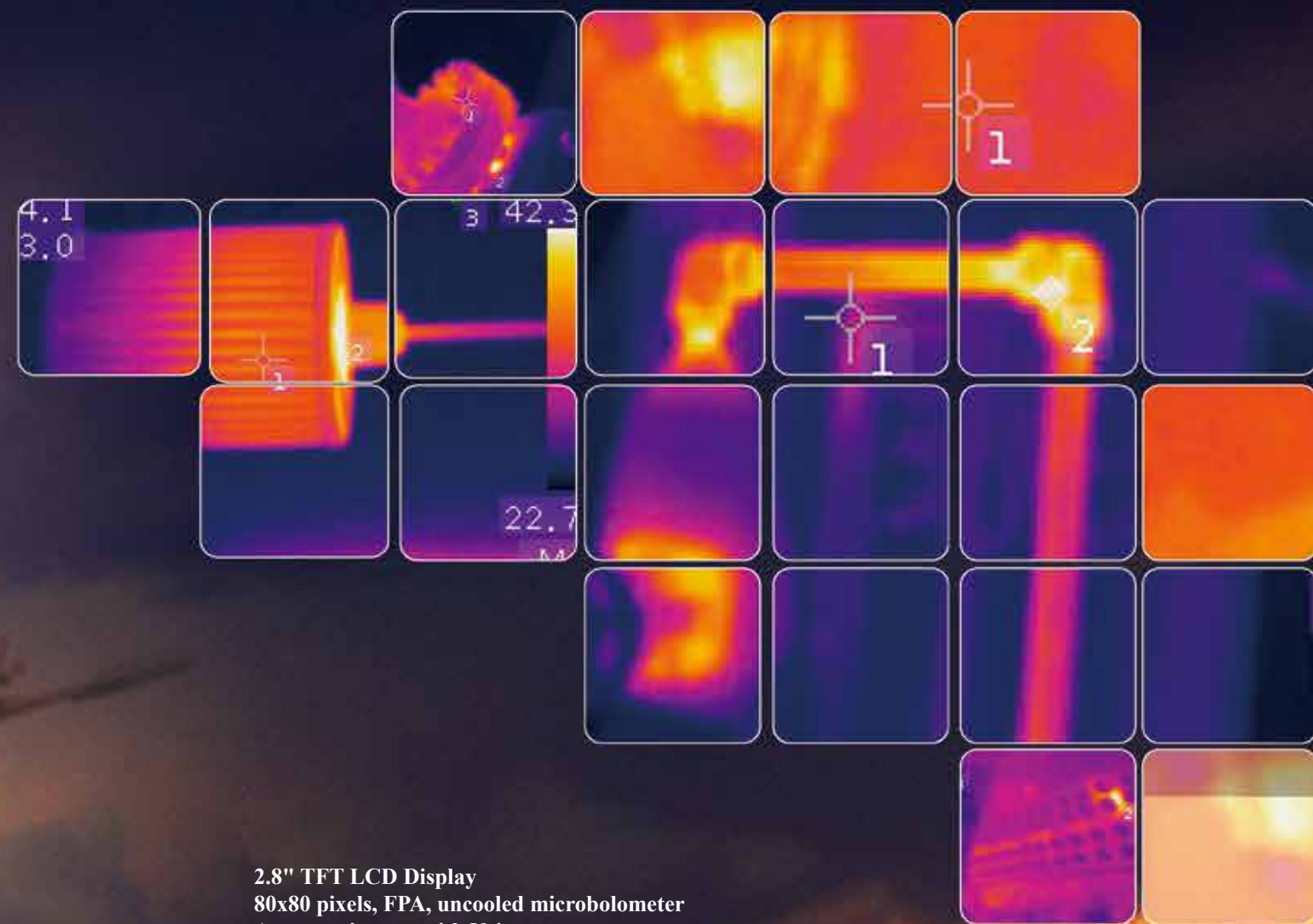
2.8" TFT LCD Display
80x80 pixels, FPA, uncooled microbolometer
Annotate images with Voice
Picture in Picture
32X Continuous Zoom
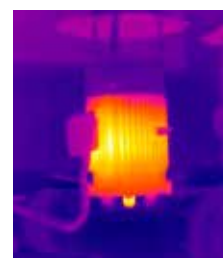**5 Megapixels Digital camera**

HDMI High resolution video output
Built-in 100M Memory for 80 pictures or one minute video record
Wi-Fi connectivity
Transfers images and data to mobile devices to share reports and critical information quickly (983 only)

980 (80x80), 982/983 (160x120) Thermal Imagers are designed to make your work easier, more productive and effective. 160 × 120 resolution at 50 Hz for real-time capture; Temperature range from -20°C to 350°C (-4°F to 662°F), 32X continuous zoom, picture-in-picture, voice comment recording and text annotation on images. Hot/Cold spot marker automatically finds the hottest and coldest spots. It includes memory card, Lithium polymer battery & power supply, and USB cable. Wi-Fi connectivity allows the Infrared Thermal Camera to send images and data to mobile devices.

Product characteristics

High Resolution IR Images
19,200 pixels (160x120) Infrared resolution(982/983)
Visible Light Digital Camera
5 Megapixels Digital camera resolution with flash provides sharp images
regardless of lighting conditions
Picture in Picture
Displays thermal image super-imposed over a digital image
LED Flashlight
Allows the visual camera and fusion to be used in poorly lit environments
Wide Temperature Range
From -20 to +350°C targeting electrical and industrial applications
±2% Accuracy
reliable temperature measurement
Thumbnail view
Easy to view and analyze images quickly
Audio recorded with the video image
A speaker to listen to audio recorded with the video image
Li-Ion Rechargable Battery
Lasts >4hrs continuous use; replaceable
HDMI
HDMI High resolution video output
Inside 100M Memory
About 80pictures or one minute video record
Copy to USB
Easy uploads images from camera to USB memory card
Area (Min/Max) Mode
Shows the Minumum or the Maximum
Temperature reading in the selected area
Wi-Fi connectivity
Transfers images and data to mobile devices to
share reports and critical information quickly (DT-983 only)

Model: 983

EMC
EN: 61326-1
EN: 61010-1

CE

Full Infrared

Picture-in-Picture

Color Alarms

Full visible light

1	2.8" LCD Display
2	Annotate images with Voice
3	Picture-in-Picture
4	32X Continuous Zoom
5	5 Megapixels Digital camera
6	Min/Max with Auto Hot/Cold Spot Mark

Model: 980

Model: 982   Model: 983

Wi Fi

Wi-Fi Connectivity/
Bluetooth Communication

Specifications	980	980A	982	982A	983	983A
Imaging and optical data						
IR resolution	80×80 pixels		160×120 pixels		160×120 pixels	
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 8–14 μm					
Focal length	9mm		7.5mm			
Field of View (FOV)	17x17°		22.6 x 29.8°			
Minimum focus distance	0.5m		0.2m			
Spatial resolution	3.78mrad		3.33mrad			
Thermal sensitivity/NETD	< 0.1°C /100mK		< 0.08°C /80mK			
Image frequency	50Hz					
Focus	Manual	Auto	Manual	Auto	Manual	Auto
Zoom	1-32x continuous, digital zoom					
Image presentation						
Image modes	IR image, visual image, picture in picture					
Picture in Picture	IR area on visual image					
Color palettes	IRON/Rainbow/Grey/Grey Inverted					
Measurement						
Object temperature range	−20°C to +150°C (−4°F to +302°F) 0°C to +350°C (+32°F to +662°F)			−20°C to +150°C (−4°F to +302°F) 0°C to +400°C (+32°F to +752°F)		
Accuracy	±2°C (±3.6°F) or ±2% of reading					
Measurement analysis						
Spotmeter	Center Spot,Auto hot or cold markers					
Set-up						
laser	< class2					
Language selection	English, Chinese, French, German, Spanish					
Storage of videos/images						
Inside Memory	100M bytes, About 80pictures or one minute video record					
Storage media	8Gbytes Micro SD card					
Video storage format	Standard MPEG-4, 1280x960@30fps, on memory card > 60 minutes					
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures					
Digital camera						
Built-in visible light digital camera	5 Megapixels					
Built-in digital lens data	59°					
Data communication interfaces						
Interfaces	USB-mini, audio, HDMI					
USB	Data transform between camera and PC , Live video between camera and PC					
Video out	HDMI					
WIFI						
Live video between device and PC	None				Yes	
Transfer images and data to mobile devices	None				Yes	
Power system						
Battery / Input voltage	Li-ion battery, 4 hours operating time / DC 5V					
Charging system	In camera (AC adapter)					
Power management	Automatic shutdown					

Size(HxWxD): 224mm x 77mm x 96mm
Weight: 500g

Accessories: Infrared camera with lens, Earphone, Battery, software CD-ROM, Wrist strap, micro SD card, Adaptor, USB cable & HDMI cable, Gift box.

CAM80/160/384/640
Professional Thermal Imaging Camera

CAM80/CAM160/CAM384/CAM640 have compact structure, small size and light weight which are a solid durable product with high sensitivity, clarity images, precise measurement and flexible operation features. It can satisfy the demand of non-contact temperature measurement, fast fault detection and thermal field analysis in the field of industrial, electrical, electronics and other industries.

The leading end will complete all the image processing and temperature measurement then the analog video can output to a monitor directly.

Model: CAM160

Key Features:
- Composite video output, PAL or NTSC;
- Abundant interfaces, easy integration;
- 50Hz passive infrared imaging ensure the high frame rate security monitoring around the clock in all kinds of bad weather;
- With a variety of pseudo-color display;
- Image enhancement feature highlights the target details, easy to achieve target surveillance and recognition;
- Intelligent image filtering feature can reduce the image noise and improve the picture clarity;
- Automatic brightness contrast adjustment feature can adaptive adjust the brightness and contrast of the image based on the changing of the scene and object, so that the image is always in the best imaging results;
- Lenses: 7.5mm included, 22mm and 33mm optional;
- Real-time image monitoring, temperature alarm is configurable.
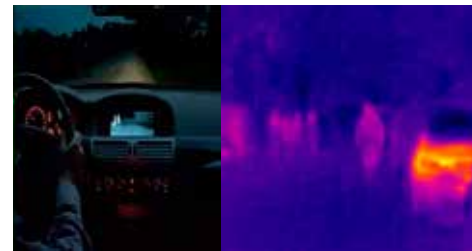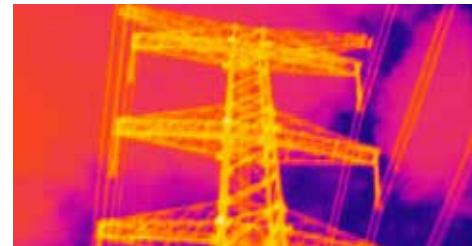
Applications:
- Buildings, factories security monitoring;
- Border, ports, airports, railway stations and other big visitors flow rate places monitoring;
- Warehouse fire monitoring;
- Forest fire monitoring.

7.5mm Lens
RL-7.5

33mm Lens
RL-33

22mm Lens
RL-22

Size(HxWxD): 195 mmx115mmx83mm
Weight: 1000g

Accessories: Infrared camera with lens, USB cable CVBS cable, Gift box.

Specifications

	CAM80	CAM160	CAM384	CAM640
Imaging and optical data				
Field of view (FOV) / Minimum focus distance	17x17°/0.5m	29.8x22.6°/0.2m	24.6°x 18.6°/ 0.5m	24.6°x 19.8°/ 0.3m
Spatial resolution (IFOV)	3.78mrad	3.33mrad	1.14 mrad	0.45
Thermal sensitivity/NETD	< 0.1°C /100mK	< 0.08°C /80mK	< 0.05°C /50mK	< 0.05°C /50mK
Image frequency	50HZ			
Focus mode	Manual			
Focal length	9mm	7.5mm	22mm	38mm
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 8–14 μm			
IR resolution	80x80	160x120	384x288	640x480
Image presentation				
Image modes	IR image only			
Color palettes	IRON, Rainbow, Grey, GreyInverted, Sepia, Blue_Red, Hot_Cold, Humidity			
Measurement				
Object temperature range	–20°C to +150°C (–4°F to +302°F) 0°C to +350°C (+32°F to +662°F)	–20°C to +150°C (–4°F to +302°F) 0°C to +400°C (+32°F to +752°F)		
Accuracy	±2°C (±3.6°F) or ±2% of reading			
Measurement analysis				
Spotmeter	Center Spot			
Automatic hot /cold detection	Auto hot or cold markers			
Emissivity correction	Variable from 0.01 to 1.0			
Measurement corrections	Emissivity, ambient temperature, distance, relative humidity, offset temperature			
Set-up				
Set-up commands	Local adaptation of units, language, date and time formats, information of camera			
Languages	multinational			
Data communication interfaces				
Interfaces	USB, composite video			
USB	Remote control			
Video out	Composite(PAL and NTSC)			
Power system				
Input voltage	DC 9V to 12V			
Options Lens				
11mm		20.6°x 15.5°	47.1°x 36.2°	
22mm		10.4°x 7.8°		
33mm		6.9°x 5.2°		
38mm			14.4°x 10.8°	

DT-971H/971S
Professional Thermal Imaging Camera

DT-971H/DT-971S have compact structure, small size and light weight which are a solid durable product with high sensitivity, clarity images, precise measurement and flexible operation features. It can satisfy the demand of non-contact temperature measurement, fast fault detection and thermal field analysis in the field of industrial, electrical, electronics and other industries.

The leading end will complete all the image processing and temperature measurement then the analog video can output to a monitor directly. The video also can be viewed through the client network to realize the secondary temperature analysis by single-frame or continuous collection from the raw data.

Key Features:
- 100Mbps Ethernet;
- Wifi connection;
- Composite video output, PAL or NTSC;
- Standardized security interface design, using H.264 video compression protocol which is easy to system integration;
- Abundant interfaces, easy integration;
- 50Hz passive infrared imaging ensure the high frame rate security monitoring around the clock in all kinds of bad weather;
- With a variety of pseudo-color display;
- Image enhancement feature highlights the target details, easy to achieve target surveillance and recognition;
- Intelligent image filtering feature can reduce the image noise and improve the picture clarity;
- Automatic brightness contrast adjustment feature can adaptive adjust the brightness and contrast of the image based on the changing of the scene and object, so that the image is always in the best imaging results;
- Lenses: 7.5mm included, 22mm and 33mm optional;
- Powerful analysis feature, easy control operation;
- Support to record and playback the data stream temperature, perfect to reproduce historical scenes;
- Real-time image monitoring, temperature alarm is configurable.

Wi-Fi Connectivity Communication

Model: 971S

Wi Fi

Applications
- Buildings, factories security monitoring;
- Border, ports, airports, railway stations and other big visitors flow rate places monitoring;
- Warehouse fire monitoring;
- Forest fire monitoring.

Model: 971H

RL-7.5
7.5mm Lens

RL-33
33mm Lens

RL-22
22mm Lens

Size(HxWxD): 90mmx74mmx74mm (971H) 130mmx60mmx74mm(971S)
Weight: 1000g
Accessories: Infrared camera with lens, CVBS cable, RS485 cable, Network cable, Gift box.

Specifications

Imaging and optical data	
Field of view (FOV) / Minimum focus distance	29.8°x 22.6°/ 0.2m
Spatial resolution (IFOV)	3.33mrad
Thermal sensitivity/NETD	< 0.08°C @ +30°C (+86°F) / 80 mK
Image frequency	50Hz
Focus mode	Manual
Zoom	1–20× continuous, digital zoom
Focal length	7.5mm
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 8–14 μm
IR resolution	160 × 120 pixels
Image presentation	
Image modes	IR image only
Color palettes	IRON/Rainbow/Grey/GreyInverted/Sepia/Blue_Red/Hot_Cold/Humidity
Measurement	
Object temperature range	–20°C to +150°C (–4°F to +302°F) 0°C to +400°C (+32°F to +752°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading
Measurement analysis	
Spot	Center Spot
Automatic hot /cold detection	Auto hot or cold markers
Isotherm	Detect high/low temperature/interval
Emissivity correction	Variable from 0.01 to 1.0
Measurement corrections	Emissivity, ambient temperature, distance, relative humidity, offset temperature
Set-up	
Set-up commands	Local adaptation of units, language, date and time formats, information of camera
Languages	multinational
Data communication interfaces	
Interfaces	USB-mini, composite video
USB	Data transform between camera and PC
Video out	Composite(PAL and NTSC)
Input voltage	DC 9V to 12V
Ethernet	
Ethernet type, connector type, video streaming	100Mbps，RJ-45，MPEG-4
Wi-Fi connectivity	Remote control and live video
Alarm output	
Alarm output	2 relay output
Options Lens	
11mm	FOV=20.6°x 15.5°
22mm	FOV=10.4°x 7.8°
33mm	FOV=6.9°x 5.2°

CEM

CEM

IR resolution
32x31 pixels

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

9869 is a Professional InfraRed 32x31 pixels Imager Thermometer with 2.4" color TFT LCD display, 32x31 pixels Imagers & a microSD memory card for capturing images(JPEG) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements with bluetooth interface and cloud computing service. This product combines the convenience of an infrared thermometer with the visual advantage of a thermal imager creating a brand new tool category—a troubleshooting camera with infrared heat map.
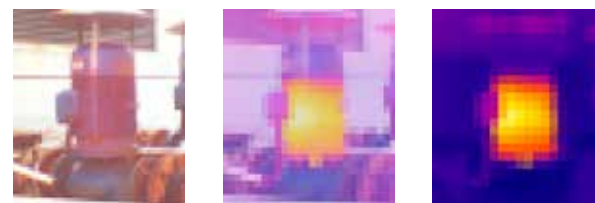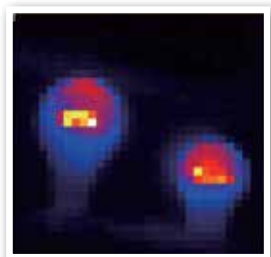
20% visual   50 % blend   80 % blend

9869 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.

Model: 9869

EMC
EN: 61326-1
EN: 61010-1

Features

2.4" 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， Adjustable emissivity from 0.10 to 1.00

Visual Camera

Images Capture(JPEG) , MicroSD memory card ,

Date/time setup controls, Bluetooth interface

Li-ION rechargeable battery

Language selection: English, Chinese, French, German, Spanish

Bluetooth interface to smartphone / PC.

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 × 31 pixels
IR temperature Measurement	
Object temperature range	−20°C to +180°C (−4°F to +356°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	20° X 20°
Color palettes	GRAY/GRAY IRON/ IRON/RAINBOW
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures

Size(HxWxD): 125mm x 58mm x 205mm
Weight: 494g

Accessories:
3.7V Li battery,Carrying case and Gift box

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(JPEG) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements with bluetooth interface and cloud computing service.

Worldwide Patent:
PCT/CN2010/000230
200910189276.8
200920261924.1

2.2" TFT Color LCD display

EMC
EN: 61326-1
EN: 61010-1

32x31 Pixels IR images

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(JPEG)

MicroSD memory card & datalogger function

Dual laser targeting

Date/time setup controls, Adjustable emissivity & trigger lock

Li-ION rechargeable battery & Dual laser targeting

USB interface, Bluetooth interface to smartphone / PC.

Language selection: English, Chinese, French, German, Spanish

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 × 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	38° X 38°
Color palettes	GRAY/GRAY IRON/ IRON/RAINBOW
Image storage format	Standard BMP, including measurement data, on memory card > 1000 pictures

Cloud Server

Model: 9868

Size(HxWxD): 125mm x 58mm x 205mm
Weight: 494g

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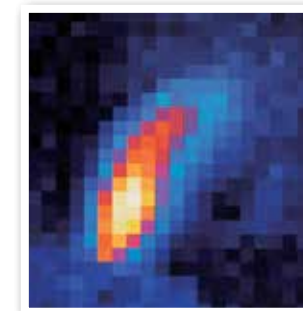
CEM

DT-9860/9860S/9861/9861S/9862/9862S/9863/9865
Professional InfraRed Video Thermometers with TFT color LCD display & Camera function

Professional InfraRed Video Thermometers
with TFT color LCD display & Imager Video format

Cloud Server

Worldwide Patent:
PCT/CN2010/000230
200910189276.8
200920261924.1

EMC
EN: 61326
EN: 60825-1

CE

Dual laser targeting & D:S = 75:1 | JPG images / 3GP videos &Audio Recording | High accuracy (1.0%) measurement | Fold reading on the images

Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment

2.2" TFT color LCD display

Dual laser targeting

Support **Images**(JPEG) capture capabilities

Date/Time setup controls

Support **Video**(3GP) capture capabilities

USB interface

Data Logger

Support **IR**, **K-Type**, **Air**, **Dewpoint**, **Wet bulb Temp.** & **Air Humidity** measurement

Support **MicroSD** memory card extention

CEM

DT-9860/9860S/9861/9861S/9862/9862S/9863/9865
Professional InfraRed Video Thermometers with TFT color LCD display & Camera function

IR | IR | IR | IR | IR | Dewpoint Wet bulb | Backlight | Video | Camera | Audio recording | Bluetooth

9860/9861/9862/9863/9865 Series Professional Infrared Video Thermometers with 2.2" color TFT LCD display & a microSD memory card for capturing images(JPEG) or video(3GP) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements. The measurement of dewpoint will be very visiable for wet and dry proof. These serials products are with international patent and good hands for industrial measurements and data analyzing. The user can be back in office to analyze the measured Infrared temperature readings under the support of software.

Worldwide Patent:
PCT/CN2010/000230
200910189276.8
200920261924.1

2.2" TFT Color LCD display

Capturing images(JPEG)
75 : 1 distance to spot size

- High 75 : 1/ 50 : 1 distance to target ratio measures smaller surface areas at greater distances
- IR temperature measurement
- Air temperature and type K probe temperature measurement
- Relative humidity measurement
- Wet bulb temperature & dewpoint temperature measurement
- Unique flat surface, modern housing design

Features

	9860/9860S	9861/9861S	9862/9862S	9863	9865
2.2" TFT 320x240 pixels Color LCD display	*	*	*	*	*
Camera pixels	640x480	640x480	640x480	3.0 Mega	3.0 Mega
Images(JPEG) & Video(3GP)	*	*	*	*	*
MicroSD memory card & datalogger function	*	*	*	*	*
Dual laser targeting	*	*	*	*	*
Date/time setup controls	*	*	*	*	*
Auto Power Off	*	*	*	*	*
High Temperature	*	*	*	*	*
Max, Min, DIF, AVG record	*	*	*	*	*
High and low alarm	*	*	*	*	*
Adjustable emissivity & Trigger lock	*	*	*	*	*
Type K input	*	*	*	*	*
USB/ bluetooth interface	USB	USB	USB	USB/ Bluetooth	USB/ Bluetooth
Readings memories	*	*	*	*	*
Humidity & Air Temperature	*	*	*	*	*
Dewpoint & Wet bulb temperature	*	*	*	*	*
Audio Recording				*	*
Language selection	English, Chinese, French, German, Spanish				

Specifications

	9860/9860S	9861/9861S	9862/9862S	9863	9865
IR Temp. Range	-50ºC to 1000ºC -58ºF to 1832ºF	-50ºC to 1600ºC -58ºF to 2912ºF	-50ºC to 2200ºC -58ºF to 3992ºF	-50ºC to 1000ºC -58ºF to 1832ºF	-50ºC to 2300ºC -58ºF to 4172ºF
Response Time	Less than 300ms; Less than 150ms(9860S/9861S/9862S)			Less than 150ms	
Resolution	0.1º up 1000º, 1º over 1000º				
Basic Accuracy (IR)	±1.0% of reading				
Optical Resolution	50:1 Distance to Spot size			75:1 Distance to Spot size	
Emissivity Adjustable	0.10~1.0 Adjustable				
Type K Temp. Range	-50ºC to 1370ºC /-58ºF to 2498ºF				
Basic Accuracy (TK)	±0.5% of reading ±1ºC				
Micro SD memory card	MAX. support 8GB				
Air Temp Range	0 to 50ºC/32 to 122ºF				
Air Temp Basic Accuracy	±0.5ºC/1ºF				
Humidity Range	0 to 100%RH				
Humidity Basic Accuracy	±2.5%RH(20%~80%RH)				
Dew Point Temp. Range	0 to 50ºC/32 to 122ºF				
Wet Bulb Temp. Range	0 to 50ºC/32 to 122ºF				

Size(HxWxD): 125mm x 58mm x 205mm
Weight: 494g
Accessories:
3.7V Li battery,Type K Temp. probe, USB cable, Carrying case and Gift box

Temperature probe
(Optional: NR-31B / TP-500 / TCP-100)

Model 9863

75: 1 distance to spot size
Dual laser pointers

150ms faster sampling time
1% accuracy
Reading memory

Adjustable Emissivity

Data Record

Fast measuring with high accuracy

Features

Features
Graphic white and black LCD display
Max, Min, DIF, AVG record & trigger lock
High / low alarm
Auto Power Off
Adjustable emissivity
Type K input
Memory data with Date/Time stamp (30 points)
USB interface
Datalog (Only 8879/8889H)
Wireless interface (Only 8879/8889H)

Model 8889/8889H

Distance (D) to Spot size(S)
D:S=75:1 (8889/8889H)

Spot	0.7in(18mm)	1.7in(43mm)
Distance	53in(1350mm)	127in(3225mm)

Laser
InfraRed

(Unit: mm)

Thermistor clamp

TCP-100

Temperature probe
(Optional: NR-31B / TP-500 / TCP-100)

Specifications

	8878	8879	8889	8889H
IR Temp. Range	-50ºC to 1200ºC/	-50ºC to 1600ºC/	-50ºC to 1850ºC/	-50ºC to 2200ºC/
	-58ºF to 2192ºF	-58ºF to 2912ºF	-58ºF to 3992ºF	-58ºF to 3992ºF
Response Time	Less than 150ms	Less than 150ms	Less than 150ms	Less than 150ms
Resolution	0.1º up 1000º, 1º over 1000º	0.1º up 1000º, 1º over 1000º	0.1º up 1000º, 1º over 1000º	0.1º up 1000º, 1º over 1000º
Basic Accuracy (IR)	±1.0% of reading	±1.0% of reading	±1.0% of reading	±1.0% of reading
Optical Resolution	50:1 Distance to Spot size	50:1 Distance to Spot size	75:1 Distance to Spot size	75:1 Distance to Spot size
Emissivity	Adjustable 0.10~1.0	Adjustable 0.10~1.0	Adjustable 0.10~1.0	Adjustable 0.10~1.0
Type K Temp. Range	-50ºC to 1370ºC/	-50ºC to 1370ºC/	-50ºC to 1370ºC/	-50ºC to 1370ºC/
	-58ºF to 2498ºF	-58ºF to 2498ºF	-58ºF to 2498ºF	-58ºF to 2498ºF
Basic Accuracy (TK)	±0.5% of reading	±0.5% of reading	±0.5% of reading	±0.5% of reading
Readings memories	30	30	30	30
Datalog		*		*
Wireless interface(433Mhz)		*		
Bluetooth interface				*

Size(HxWxD): 204mm x 155mm x 52mm
Weight: 320g

Accessories:
9V battery, USB Cable, Tripod, Software, Type-K temperature probe, Carrying case and Gift box

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8867H/8868/8868H/8869/8869H Series provide much faster, easy and accurate readings for most surface temperature measurements with Dual laser pointers.
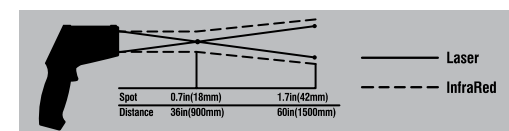
Two laser points converge to a single spot when the unit is at the optimal distance from the object being measured.

Model 8869

- 150ms faster sampling time with 1% accuracy
- High 50 to 1 distance to target ratio measures smaller surface areas at greater distances
- Widest temperature range
- Unique flat surface, modern housing design
- Built-in dual laser pointers for accurate targeting
- Automatic Data Hold & Trigger Lock
- Max, Min, DIF, AVG record
- High and low alarm
- Emissivity Digitally adjustable from 0.10 to 1.0
- USB interface
- Compatible with all standard connector Type K thermocouples

150ms faster sampling time
1% accuracy
Reading memory

50 : 1 distance to spot size
Dual laser pointers

EMC
EN: 61326
EN: 60825-1

Features

Features
User selectable ºC or ºF
Dual Laser targeting
Automatic Data Hold
Auto Power Off
White Backlit LCD Display
Overrange indication
High Temperature
Max, Min, DIF, AVG record
High / low alarm, Trigger lock
Adjustable emissivity
Reading memory (8868/8869/8868H/8869H)
Type K input
USB interface

Distance (D) to Spot size(S)
D:S=50:1(8869)

Spot	0.7in(18mm)	1.7in(42mm)
Distance	36in(900mm)	60in(1500mm)

Laser
InfraRed

(Unit: mm)

Specifications

	8867H	8868	8869	8868H	8869H
IR Temp. Range	-50ºC to 1650ºC/	-50ºC to 1200ºC/	-50ºC to 1600ºC/	-50ºC to 1850ºC/	-50ºC to 2200ºC/
	-58ºF to 3002ºF	-58ºF to 2192ºF	-58ºF to 2912ºF	-58ºF to 3362ºF	-58ºF to 3992ºF
Response Time	Less than 150ms	Less than 150ms	Less than 150ms	Less than 150ms	Less than 150ms
Resolution	0.1º up 1000º, 1º over 1000º	0.1º up 1000º, 1º over 1000º	0.1º up 1000º, 1º over 1000º	0.1º up 1000º, 1º over 1000º	0.1º up 1000º, 1º over 1000º
Basic Accuracy (IR)	±1.0% of reading	±1.0% of reading	±1.0% of reading	±1.0% of reading	±1.0% of reading
Optical Resolution	30:1 Distance to Spot size	50:1 Distance to Spot size	50:1 Distance to Spot size	50:1 Distance to Spot size	50:1 Distance to Spot size
Emissivity	Adjustable 0.10~1.0	Adjustable 0.10~1.0	Adjustable 0.10~1.0	Adjustable 0.10~1.0	Adjustable 0.10~1.0
Type K Temp. Range	-50ºC to 1370ºC/	-50ºC to 1370ºC/	-50ºC to 1370ºC/	-50ºC to 1370ºC/	-50ºC to 1370ºC/
	-58ºF to 2498ºF	-58ºF to 2498ºF	-58ºF to 2498ºF	-58ºF to 2498ºF	-58ºF to 2498ºF
Basic Accuracy (TK)	±1.5% of reading	±1.5% of reading	±1.5% of reading	±1.5% of reading	±1.5% of reading
Readings memories		99	99	99	99

Size(HxWxD): 204mm x 155mm x 52mm
Weight: 320g

Accessories:
9V battery, USB Cable, Tripod, Software, Type-K temperature probe, Carrying case and Gift box

Professional InfraRed Thermometers with Multipoint Laser targeting

Fast response time 0.15 sec.

Built-in Multipoint Laser Pointers focus target (calibrated distance)
High accuracy (1.0%) measurement

Triple LCD display indicates Infrared Temperature, Dew-point Temperature & Humidity readings.
Green, Red & Blue blacklight: Normal, Higher & Lower temperature indications

Double molded housing design

● Multipoint laser pointers

8870/8871/8872/8873 Series compact Infrared Thermometers provide much faster and more accurate readings for Infrared Temperature, Dew-point Temperature & Humidity.

● 150ms faster sampling time
● 1% accuracy

EMC
EN: 61326
EN: 60825-1

● Dust and water-proof: IP54 rated for dust/water proof

● Rugged: 3 m (9.8 ft) drop tested

● Ergonomically designed: Completely redesigned for a more natural hand fit

● Distance to spot: Precise laser technology makes for more accurate and
   repeatable measurements

● Min/Max/Avg/Dif: Displays the minimum, maximum or average
   temperature, or the difference between two measurements

● Alarm: Hi and Lo alarms for rapid display of measurements outside the limits

● T-Sound: Changeable beeper indication by Temperature

● Green, Red & Blue blacklight: Normal, Higher & Lower temperature indications

● Accurate readings for Infrared Temperature, Dew-point Temperature & Humidity.

Model 8870

Features

	8870	8871	8872	8873
User selectable ºC or ºF	*	*	*	*
Multipoint laser targeting	*	*	*	*
Automatic Data Hold	*	*	*	*
Auto Power Off	*	*	*	*
White Backlit LCD Display	*	*	*	*
Overrange indication	*	*	*	*
Trigger lock for continuous use	*	*	*	*
Max/Min/Avg/Dif selectable	*	*	*	*
Adjustable Auto Power off Time	*	*	*	*
High and low alarm	*	*	*	*
Adjustable emissivity	*	*	*	*
Optical Resolution	12:1	16:1	20:1	30:1
Green, Red & Blue blacklight : Normal, Higher & Lower temperature indications	*	*	*	*
Infrared Temperature, Dew-point Temperature & Humidity readings.	*	*	*	*

Specifications

	8870	8871	8872	8873
IR Temp. Range	-50ºC to 650ºC -58ºF to 1202ºF	-50ºC to 800ºC -58ºF to 1472ºF	-50ºC to 800ºC -58ºF to 1472ºF	-50ºC to 1000ºC -58ºF to 1832ºF
IR Temp. Resolution	0.1º up to 1000º, 1º over 1000º			
Emissivity	Adjustable 0.10~1.0			
Basic Accuracy	±1.0% of reading			
Humidity	0~100%RH			
Humidity Accuracy	±2.5%RH(20%~80%RH)			
Dew Point Temp.	-30~100ºC/ -22~199ºF; Basic Accuracy: ±2.0% of reading			
Wet Bulb Temp.	-30~100ºC/ -22~199ºF; Basic Accuracy: ±2.0% of reading			
Response Time	Less than 150ms			
Spectral response	8-14μm			

Size(HxWxD): 146mm x 104mm x 43mm

Weight: 163g

Accessories:
9V battery, Carrying case and Gift box.

Distance (D) to Spot size(S)
D:S=12:1

0.5 in spot @ 6 in

13mm spot @ 156mm

(Unit: mm)

Model 8873

Applications

● Plant/General Maintenance
● HVAC/R
● Transportation/Automotive

● Cooling and Reheating
● Serving areas
● Food service Equipment
● Cold storage

CEM

DT-8862 Series
Professional InfraRed Thermometers with Dual Laser Targeting

DT-8862 Series
Professional InfraRed Thermometers with Dual Laser Targeting

CEM

Professional InfraRed Thermometers with Dual Laser targeting

Fast response time 0.15 sec.

Built-in Dual Laser Pointers focus target (calibrated distance)
High accuracy(1.0%) measurement

Triple LCD display indicates Reading, Max reading and Functions at same time.
High contrast LCD with white backlight

Double molded housing design

Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage

8860B/8861B/8861/8862 Series compact Infrared Thermometers provide much faster and accurate readings for most surface temperature measurements.

Two laser points converge to a single spot when the unit is at the optimal distance from the object being measured (8861B/8861/8862).

Worldwide Patent:
PCT/CN2012/082197

T-Sound

- 150ms faster sampling time
- 1% accuracy
- Dual laser pointers

Model 8862MAX+

EMC
EN: 61326
EN: 60825-1

Key Benefits
- T-Sound: Changeable beeper indication by Temperature
- Green, Red & Blue blacklight: Normal, Higher & Lower temperature indications

Model 8862 series

Model 8863/8865

Features

	8860B	8861B	8861	8862	8862MAX+	8863	8865
User selectable ºC or ºF	*	*	*	*	*	*	*
Dual laser targeting	Single laser	*	*	*	*	*	*
Automatic Data Hold	*	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*	*
White Backlit LCD Display	*	*	*	*	*	*	*
Overrange indication	*	*	*	*	*	*	*
Trigger lock for continuous use			*	*	*	*	*
Max display	*	*	*	*	*	*	*
High and low alarm			*	*	*	*	*
Adjustable emissivity			*	*	*	*	*
Optical Resolution	12:1	12:1	12:1	12:1	20:1	20:1	30:1
Green, Red & Blue blacklight: Normal, Higher & Lower temperature indications					*		
T-Sound: Changeable beeper indication by Temperature					*		

Specifications

	8860B	8861B	8861	8862/8862MAX+	8863	8865
IR Temp. Range	-50ºC to 450ºC	-50ºC to 450ºC	-50ºC to 550ºC	-50ºC to 650ºC	-50ºC to 800ºC	-50ºC to 1000ºC
	-58ºF to 842ºF	-58ºF to 842ºF	-58ºF to 1022ºF	-58ºF to 1202ºF	-58ºF to 1472ºF	-58ºF to 1832ºF
IR Temp. Resolution	0.1º up to 1000º, 1º over 1000º					
Emissivity	Fixed at 0.95		Adjustable 0.10~1.0			
Basic Accuracy	±1.0% of reading					
Response Time	Less than 150ms					
Spectral response	8-14µm					

Size(HxWxD): 146mm x 104mm x 43mm
Weight: 163g

Accessories:
9V battery, Carrying case and Gift box.

Distance (D) to Spot size(S)
D:S=12:1

0.5 in spot @ 6 in
13mm spot @ 156mm

(Unit: mm)

High Quality Lens & Dual laser pointers

Triple LCD display withwhite backlit

Calibrated Distance

Accurate Measurement

CEM

DT-8862B/8863B
Professional InfraRed Thermometers with Dual Laser Targeting

DT-820/821/822
Mini InfraRed Thermometers

CEM

Model 8862B

- **150ms faster sampling time**
- **1% accuracy**

- **Dual laser pointers**
- **Color backlight alert**

8862B/8863B series Professional dual laser infrared thermometers with color alert is great for processes that require temperature control and monitoring, its white backlit dual LCD display will change to red when reading exceeds High or Low set points.

• High accurate measurements to 1.0%
• Measures up to 800°C (1472°F)
• Fast response time 0.15sec
• Max mode captures and holds rapidly changing temperature
• Lock function for continuous readings
• Adjustable emissivity increases measurement accuracy for different surfaces

Model 8863B

Red backlight alert　　Triple LCD display with white backlit

Features

	8862B	8863B
User selectable ºC or ºF	*	*
Dual laser targeting	*	*
Automatic Data Hold	*	*
Auto Power Off	*	*
White Backlit LCD Display	*	*
Overrange indication	*	*
Trigger lock for continuous use	*	*
Max display	*	*
High and low alarm	*	*
Adjustable emissivity	*	*
Optical Resolution	12:1	20:1
Red backlight & beeper alarm	*	*

Specifications

	8862B	8863B
IR Temp. Range	-50ºC to 650ºC -58ºF to 1202ºF	-50ºC to 800ºC -58ºF to 1472ºF
IR Temp. Resolution	0.1º up to 1000º, 1º over 1000º	
Emissivity	Adjustable 0.10~1.0	
Basic Accuracy	±1.0% of reading	
Response Time	Less than 150ms	
Spectral response	8-14μm	

Distance (D) to Spot size(S)
D:S=12:1

0.5 in spot @ 6 in

13mm spot @ 156mm

(Unit: mm)

Size(HxWxD): 146mm x 104mm x 43mm
Weight: 163g

Accessories:
9V battery, Carrying case and Gift box.

820/821/822/ Series mini IR Thermometers provides non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects are easy with the bright laser beam. Even in the dark, the display is easy to read with the quality backlit.

● Unique flat surface, mini modern housing design
● Temperature measurements from -40.0ºC to 650ºC/-40.0ºF to 1202ºF (822)
● Built-in laser pointer identifies target area
● Backlighting illuminates display for taking measurements at night or in areas with low background light levels
● Max / Min record
● Overrange indication
● Auto Data Hold when trigger released
● Auto Power Off

- **Dual laser pointers**

- **150ms faster sampling time**
- **1% accuracy**

EMC
EN: 61326
EN: 60825-1

Distance (D) to Spot size(S)
D:S=8:1

1600
800
400
200
φ25　φ50　φ100　φ200
IR　　Laser

(Unit: mm)

Features

	820/821	822
User selectable ºC or ºF	*	*
Dual laser targeting	*	*
Automatic Data Hold	*	*
Auto Power Off	*	*
Negativity display	*	*
Overrange indication	*	*
Max / Min record	*	*
Bluetooth		*

Specifications

	820	821	822
Range	-40ºC to 300ºC/ -40ºF to 572ºF	-40ºC to 500ºC/ -40ºF to 932ºF	-40ºC to 650ºC/ -40ºF to1202ºF
Basic Accuracy	±1.0% of reading or ±1.0ºC/±2ºF		
Resolution	0.1ºC/ºF		
Response Time	Less than 150 ms		
Optical Resolution	8:1 Distance to Spot size		20:1
Emissivity	Fixed at 0.95		

Accessories:
9V battery, Carrying case and Clamshell.

Size(HxWxD): 131mm x 96mm x 35mm
Weight: 130g

Model 820

Model 821

Model 822

Distance : Spot = 8 : 1
0.5in Spot@ 4in

8662/8663 series Infrared Dewpoint Temperature Detectors are very visiable for wet and dry proof. It's green LED light will change to yellow and red when reading close to Dewpoint Temperature. It provides faster sampling time and high accuracy, widely applicant in steel, oil & chemical, stove, environment testing, calibration Lab, gas production industry etc.

Worldwide Patent:
PCT/CN2012/082197

Features

	8662	8663
User selectable ºC or ºF	*	*
Dual laser targeting	*	*
Automatic Data Hold	*	*
White Backlit LCD Display	*	*
Trigger lock for continuous use	*	*
Max display	*	*
Optical Resolution	12:1	20:1

Specifications

	8662	8663
IR Temp. Range	-50ºC to 260ºC / -58ºF to 500ºF	-50ºCto380ºC / -58ºF to 716ºF
IR Temp. Resolution	0.1º	
Emissivity	0.95	
Temp. Basic Accuracy	±1.0% of reading	
Response Time	Less than 150ms	
Spectral response	8-14µm	
Humidity	0~100%RH	
Humidity Accuracy	±2.5%RH(20%~80%RH)	
Dew Point Temp.	-30~100ºC/ -22~199ºF; Basic Accuracy: ±2.0% of reading	
Wet Bulb Temp.	-30~100ºC/ -22~199ºF; Basic Accuracy: ±2.0% of reading	

Size(HxWxD): 82mm x 58mm x 168mm
Weight: 163g
Accessories: 9V battery, Carrying case and Gift box.

Green LED Normal

Yellow LED Close to Dewpoint

Red LED Dewpoint

DT-8666/8666H Thermal Leak Detector with Audible Alarm

8666/8666H Thermal Leak Detector is visible for higher/lower temperature. It permits targeted scanning to find higher/lower temperature with continuous audible alarm.

Features

	8666	8666H
Optical Resolution	10:1	20:1
Threshold for light color transition(off, 1ºF, 5ºF, 10ºF)	*	
Auto-set base temperature for reference	*	
Single laser targeting	*	*
Fixed Emissivity at 0.95	*	*
ºC / ºF Switchable	*	*
Beeper alarm, Green, Red & Blue light alarm: Normal, Higher & Lower temperature indications	*	*

Specifications

	8666	8666H
Temperature Range	-35 to 800ºC/-31 to 1472ºF	*
Temperature Range	-50 to 380ºC/-58 to 716ºF	*	
Temperature accuracy	±1.0% of reading ±2 ºC/ºF	*	*
Response Wavelength range	8-14um	*	*
Resolution	0.1ºC/ºF	*	*
Emissivity	Adjustable 0.10~1.0	Fixed at 0.95	*
Response Time	< 500ms	*	*

Size(HxWxD): 183mm x 131mm x37mm **Accessories:**
Weight: 220g   9V battery, Carrying case and Gift box.

EMC
EN: 61326
EN: 60825-1

Model 8666

Model 8666H

- High accurate measurements to 1.0%
- Fast response time 0.5sec
- White Backlit LCD Display

Higher temperature Located with Red LED indicator

Normal Temperature with Green LED indicator

Lower temperature Located with blue LED indicator

Worldwide Patent:
PCT/CN2012/082197

T-Sound

8665 Infrared Temperature Finder is visiable for higher/lower temperature. It permits targeted scanning to find higher/lower temperature with continuous audible alarm. It provides faster sampling time and higher accuracy, widely applicant in industrial and environment field.

- Targeted scanning for higher/lower temperature
- The position of higher/lower temperature can be precisely found.
- Enables you to work with certainty for Fault diagnosis
- The Audible will alarm when temperature is changed with switchable audible of higher/lower temperature
- LCD display with new target graphics
- Easy keypad operation

Model 8665

Features

T-Sound: Changeable beeper indication by Temperature
User selectable ºC or ºF
Dual laser targeting
Automatic Data Hold
Auto Power Off
White Backlit LCD Display
Overrange indication
Trigger lock for continuous use
Max/Min display
20:1 distance to target ratio measures smaller surface areas at greater distances
Green, Red & Blue blacklight: Normal, Higher & Lower temperature indications

Specifications

IR Temp. Range	-50ºC to 380ºC
	-58ºF to 716ºF
IR Temp. Resolution	0.1º
Emissivity	Fixed at 0.95
Temp. Basic Accuracy	±1.0% of reading
Response Time	Less than 150ms
Spectral response	8-14µm

● *150ms faster sampling time*
● *1% accuracy*

● *Dual laser pointers*

Normal Temperature with Green LED indicator

Higher temperature Located with Red LED indicator

Lower temperature Located with blue LED indicator

EMC
EN: 61326
EN: 60825-1

Distance (D) to Spot size(S)   D:S=20:1

0.5 in spot @ 10 in

13mm spot @ 260mm

(Unit: mm)

Size(HxWxD): 82mm x 58mm x 168mm
Weight: 163g

Accessories: 9V battery, Carrying case and Gift box.

CEM

DT-8838/8839/8858/8859/8859H
Professional High Temperature InfraRed Thermometers

DT-8818H/8819H/8826H/8828H/8818/8819/8828/8829
Professional High Temperature InfraRed Thermometers

CEM

Left Section: DT-8838/8839/8858/8859/8859H

Model 8839

50 : 1 distance to spot size

High Temperature 1600ºC (2912ºF)

8838/8839/8858/8859/8859H Series provide fast, easy and accurate readings for most surface temperature measurements.

- 150ms faster sampling time with 1% accuracy (8859H)
- High 50 to 1 distance to target ratio measures smaller surface areas at greater distances
- Widest temperature range from -50.0 to 1600ºC/-58.0 to 2912ºF (8859/8859H)
- Unique flat surface, modern housing design
- Built-in laser pointer
- Automatic Data Hold
- Max, Min, DIF, AVG record
- High and low alarm
- Adjustable emissivity

Distance (D) to Spot size(S)

D:S=50:1

(Unit: mm)

Model 8858
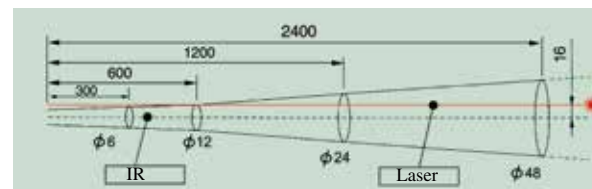
Features					
	8838	8839	8858	8859	8859H
Optical Resolution (D:S)	30:1	50:1	50:1	50:1	50:1
High Temperature	1000ºC/ 1832ºF	1000ºC/ 1832ºF	1300ºC/ 2372ºF	1600ºC/ 2912ºF	1600ºC/ 2912ºF
User selectable ºC or ºF	*	*	*	*	*
Laser targeting	*	*	*	*	*
Automatic Data Hold	*	*	*	*	*
Auto Power Off	*	*	*	*	*
White Backlit LCD Display	*	*	*	*	*
Overrange indication	*	*	*	*	*
Max, Min, DIF, AVG record	*	*	*	*	*
High / low alarm, Trigger lock	*	*	*	*	*
Adjustable emissivity	*	*	*	*	*
150ms faster sampling time with 1% accuracy					*

Model 8859

Specifications					
	8838	8839	8858	8859	8859H
Range	-50ºC to 1000ºC/ -58ºF to 1832ºF	-50ºC to 1000ºC/ -58ºF to 1832ºF	-50ºC to 1300ºC/ -58ºF to 2372ºF	-50ºC to 1600ºC/ -58ºF to 2912ºF	-50ºC to 1600ºC/ -58ºF to 2912ºF
Response Time	Less than 1 second	Less than 1 second	Less than 1 second	Less than 1 second	Less than 150 mS
Optical Resolution (D:S)	30:1	50:1	50:1	50:1	50:1
Resolution	0.1º up to 2000º, 1º over 2000º				
Basic Accuracy	±1.5% of reading or ±2ºC/±4ºF				
Emissivity	Adjustable 0.10~1.0				

Size(HxWxD): 220mm x 120mm x 56mm
Weight: 290g

Accessories:
9V battery, Carrying case and Gift box.

Right Section: DT-8818H/8819H/8826H/8828H/8818/8819/8828/8829

16 : 1 distance to spot size

High Temperature 1000ºC (1832ºF)

EMC
EN: 61326
EN: 60825-1

- High 16 to 1 distance to target ratio measures smaller surface areas at greater distances (8818H/8819H/8826H/8828H)
- Widest temperature range from -50.0 to 1000ºC /-58.0 to 1832ºF (8828/8829)
- Unique flat surface, modern housing design
- Built-in laser pointer
- Automatic Data Hold
- Max, Min, DIF, AVG record
- High and low alarm
- Adjustable emissivity
- 8818H/8819H/8826H/8828H Optical Resolution is 16:1 Distance to Spot size
- 8829 Optical Resolution is 50:1 Distance to Spot size

Model 8826H

Features				
	8818H/ 8818	8819H/ 8819	8826H/8828H /8828	8829
User selectable ºC or ºF	*	*	*	*
Laser targeting	*	*	*	*
Automatic Data Hold	*	*	*	*
Auto Power Off	*	*	*	*
Backlit LCD Display	*	*	*	*
Overrange indication	*	*	*	*
High Temperature			*	*
Max, Min, DIF, AVG record	*/-	*/-	*/*/-	*
High and low alarm	*/-	*/-	*/*/-	*
Adjustable emissivity	*/0.95	*/0.95	*/*/0.95	0.95
Trigger lock	*/-	*/-	*/*/-	*

Model 8828H

Specifications					
	8818H/8818	8819H/8819	8826H	8828H/8828	8829
Range	-50ºC to 550ºC (-58ºF to 1022ºF)	-50ºC to 750ºC (-58ºF to 1382ºF)	-50ºC to 900ºC (-58ºF to 1652ºF)	-50ºC to 1000ºC (-58ºF to 1832ºF)	-50ºC to 1000ºC (-58ºF to 1832ºF)
Distance to Spot size	16:1 Distance to Spot size				50:1 Distance to Spot size
Emissivity	Adjustable 0.1~1.0 (8818H, 8819H,8826H, 8828H)				Fixed at 0.95
Response Time	Less than 1 second				
Resolution	0.1º C/ºF (8818H, 8819H,8826H,8828H); 0.1º up 200º, 1º over 200º (8818, 8819, 8828, 8829)				
Basic Accuracy	± 1.5% of reading or ± 2ºC/± 4ºF				

Model 8829

Size(HxWxD): 220mm x 120mm x 56mm
Weight: 290g

Accessories:
9V battery, Carrying case and Gift box

Distance (D) to Spot size(S)

D:S=16:1

(Unit: mm)

CEM

DT-8855/8856
High Temperature IR Thermometer with Wireless USB Interface

DT-810/811/812 and 813TS
Mini InfraRed Thermometers
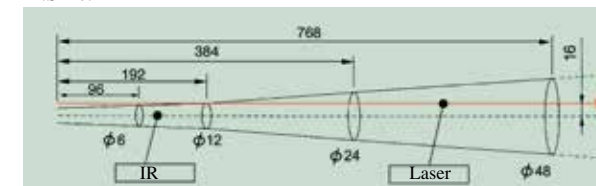
CEM

8855/8856 compact Infrared Thermometers provide fast, easy and accurate readings for most surface temperature measurements with Wireless USB Interface (RF 433MHz)

● **30 : 1 distance to spot size**
● **IR thermometer with type K temperature measurement**

● **Dual laser pointers(8856)**
● **Wireless USB Interface(RF 433MHz)**
● **20 Points Memory**

● Wireless USB Interface (RF 433MHz)
● High 30**:**1 distance to target ratio measures smaller surface areas at greater distances
● Widest temperature range from -50.0 to 1050°C (-58.0 to 1922°F)
● 150ms faster sampling time (8856)
● Built-in dual laser pointers focus target for high accuracy measurement (8856)
● Built-in single laser pointers focus target for high accuracy measurement (8855)
● Analog output (8855)
● Automatic capture emissivity for targeting
● Unique flat surface, modern housing design
● Type K temperature measurement

Applications

● Plant/General Maintenance
● HVAC/R
● Transportation/Automotive
● Cooling and Reheating
● Serving areas
● Food service Equipment
● Cold storage

$C \in$

EMC
EN: 61326
EN: 60825-1

Model 8856

Features

	8855/8856
User selectable °C or °F	*
Laser targeting	*
Automatic Data Hold	*
Auto Power Off	*
White Backlit LCD Display	*
Fast response time 0.15 sec.	8856
Trigger lock	*
Max, Min, DIF, AVG record	*
High and low alarm	*
Adjustable emissivity	*
Type K temperature measurement	*
High Temperature	1050°C/1922°F
Wireless USB Interface(RF 433MHz)	*
Optical Resolution (Distance to Spot size)	30:1

Specifications

	8855/8856
IR Temp. Range	-50°C to 1050°C/ -58°F to 1922°F
IR Temp. Resolution	0.1° up to 2000°, 1° over 2000°
Optical Resolution	30:1 Distance to Spot size
Type K Temp. Range	-50°C to 1370°C/ -58°F to 2498°F
Type K Temp. Resolution	0.1° up to 2000°, 1° over 2000°
Response Time	Less than 150ms (8856)
Response Time	Less than 1 second (8855)
Basic Accuracy	±1.5% of reading
Emissivity	Adjustable 0.10~1.0

Size(HxWxD): 180mm x 106mm x 48mm
Weight: 250g

Large, easy-to-read LCD display with backlit

Analog output 1.0mV/°C or °F

Disinterrupted power

Type K temperature

Accessories:
9V battery, Carrying case and Gift box, type K temperature probe, RF transmitter, power supply, tripod, PC Interface,CD Software.
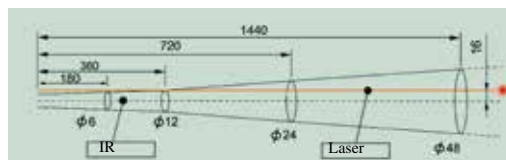
Distance (D) to Spot size(S)
D:S=30:1   (Unit: mm)

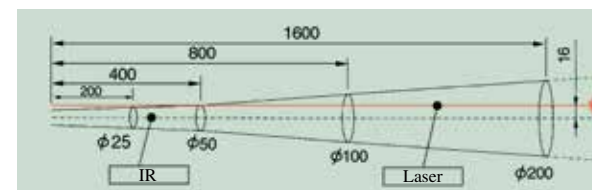***Worldwide Patent:***
PCT/CN2012/082197

810/811/812/813TS Series Low cost mini IR Thermometers provides non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects are easy with the bright laser beam. Even in the dark, the display is easy to read with the quality backlit.

● Unique flat surface, mini modern housing design
● Temperature measurements from -50.0°C to 500°C/-58.0°F to 932°F (812)
● Built-in laser pointer identifies target area
● Backlighting illuminates display for taking measurements at night or in areas with low background light levels
● Max / Min record
● Overrange indication
● Auto Data Hold when trigger released
● Auto Power Off

Model 810

Model 811/812

Features

	810/811/812/813TS
User selectable °C or °F	*
Laser targeting	*
Automatic Data Hold	*
Auto Power Off	*
White Backlit LCD Display	*
Overrange indication	*
Max / Min record	*
Green, Red & Blue blacklight: Normal, Higher & Lower temperature indications	813TS only
T-Sound: Changeable beeper indication by Temperature	813TS only

Model 813TS

T-Sound

Specifications

	810	811	812/813TS
Range	-30°C to 260°C/ -22°F to 500°F	-30°C to 380°C/ -22°F to 716°F	-50°C to 500°C/ -58°F to 932°F
Basic Accuracy	±2% of reading or ±2°C/±4°F		
Resolution	0.1°C/°F		
Response Time	Less than 1 second		
Optical Resolution	8:1 Distance to Spot size		
Emissivity	Fixed at 0.95		

Key Benefits
● T-Sound: Changeable beeper indication by Temperature
● Green, Red & Blue blacklight: Normal, Higher & Lower temperature indications

Distance (D) to Spot size(S)
D:S=8:1

(Unit: mm)

Accessories:
9V battery, Carrying case and Clamshell.

Size(HxWxD): 131mm x 96mm x 35mm
Weight: 130g

CEM

DT-8801/8802
Compact InfraRed Thermometer

DT-880/882/883/880H/882H/883H
Compact InfraRed Thermometers

CEM

Model 8801/8802

    8801/8802 Low cost Compact IR Thermometer provides non-contact temperature mea-
surements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine
and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance.
Targeting objects are easy with the bright laser beam. Even in the dark, the display is easy to
read with the quality backlit scroll.

- Unique flat surface, mini modern housing design
- Temperature measurements from -50.0ºC to 380ºC/-58.0ºF to 716ºF(8802)
- Built-in laser pointer identifies target area
- Backlighting illuminates display for taking measurements at night or in areas
  with low background light levels
- Max / Min record
- Overrange indication
- Auto Data Hold when trigger released
- Auto Power Off

CE

EMC
EN: 61326
EN: 60825-1

Features

	8801/8802
User selectable ºC or ºF	*
Laser targeting	*
Automatic Data Hold	*
Auto Power Off	*
White Backlit LCD Display	*
Overrange indication	*
Max / Min record	*

Specifications

	8801	8802
Range	-50ºC to 330ºC/	-50ºC to 380ºC/
	-58ºF to 626ºF	-58ºF to 716ºF
Response Time	Less than 1 second	
Basic Accuracy	± 2% of reading or ±2ºC/±4ºF	
Optical Resolution	12:1 Distance to Spot size(calculated @90% energy)	
Emissivity	Fixed at 0.95	
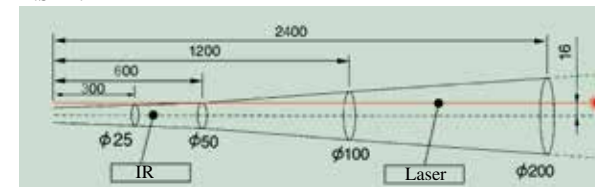
Distance (D) to Spot size(S)
D:S=12:1

(Unit: mm)

Accessories:
9V battery, Carrying case and Gift box.

Size(HxWxD): 160mm x 82mm x 42mm
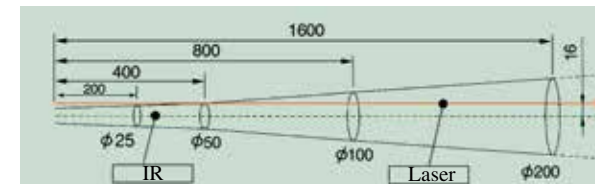**Weight:** 177g

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Model 882

- Unique flat surface, mini modern housing design
- Backlighting illuminates display for taking measurements at night
  or in areas with low background light levels
- Overrange indication
- Auto Data Hold when trigger released
- Auto Power Off

CE

EMC
EN: 50081-1, 50082-1
EN: 60825-1

Distance (D) to Spot size (S)
D:S=8:1

(Unit: mm)

Model 883

Model 883H

Features

	880H/880	882H/882	883H/883
User selectable ºC or ºF	*	*	*
Laser targeting	*	*	*
Automatic Data Hold	*	*	*
Auto Power Off	*	*	*
Backlit LCD Display	*	*	White Backlit
Overrange indication	*	*	*
Low battery indication	*	*	*
Wide range			*

Specifications

	880H	882H	883H
Range	-50ºC to 500ºC/	-50ºC to 700ºC/	-50ºC to 850ºC/
	-58ºF to 932ºF	-58ºF to 1292ºF	-58ºF to 1562ºF
Basic Accuracy	±2% of reading or±2ºC/±4ºF		
Resolution	0.1° up to 200º,1° over 200º		
Response Time	Less than 1 second		
Optical Resolution	8:1 Distance to Spot size		
Emissivity	Fixed at 0.95		

Accessories:
9V battery, Carrying case and Gift box.

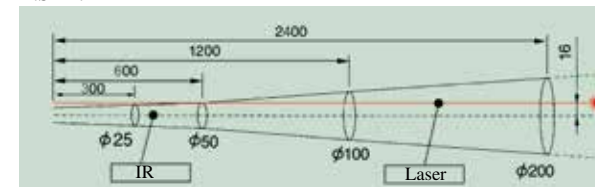**Size(HxWxD):** 160mm x 82mm x 42mm
Weight: 177g

CEM

DT-8822/8823/8823TS
Compact InfraRed Thermometers

DT-8866/8866TS
Compact InfraRed Thermometer with Dual Laser Targeting

CEM

Model 8822

**Wide range: -50ºC~760ºC/-58ºF~1400ºF**

Worldwide Patent:
PCT/CN2012/082197

8822/8823/8823TS Series Wide Range Mini IR Thermometers provide non-contact wide temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects are easy with the bright laser beam. Even in the dark, the display is easy to read with the quality backlit scroll.

T-Sound

- Unique flat surface, mini modern housing design
- Wide range temperature measurements from -50.0ºC to 760ºC (-58.0ºF to 1400ºF)
- Built-in laser pointer identifies target area
- Backlighting illuminates display for taking measurements at night or in areas with low background light levels
- Overrange indication
- Auto Data Hold when trigger released
- Auto Power Off

EMC
EN: 61326
EN: 60825-1

Model 8823TS

Features

	8822	8823	8823TS
User selectable ºC or ºF	*	*	*
Laser targeting	*	*	*
Automatic Data Hold	*	*	*
Auto Power Off	*	*	*
White Backlit LCD Display	*	*	*
Overrange indication	*	*	*
Max / Min record	*	*	*
High Temperature		*	*
High and low alarm			*
T-Sound: Changeable beeper indication by Temperature (8823TS)			
Green, Red & Blue blacklight: Normal, Higher & Lower temperature indications (8823TS)			

Specifications

	8822	8823/8823TS
Range	-50ºC to 550ºC/	-50ºC to 760ºC/
	-58ºF to 1022ºF	-58ºF to 1400ºF
Response Time	Less than 1 second	
Basic Accuracy	± 2% of reading or ±2ºC/±4ºF	
Optical Resolution	10:1 Distance to Spot size(calculated @80% energy)	
Emissivity	Fixed at 0.95	

Distance (D) to Spot size(S)
D:S=10:1
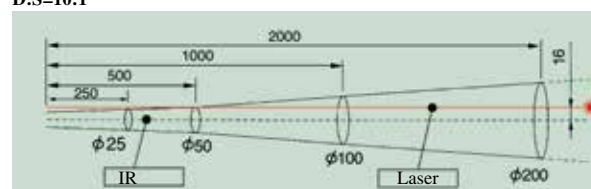
2000
1000
500
250
φ25 φ50 φ100 φ200
16
IR   Laser
(Unit: mm)

Size(HxWxD): 160mm x 82mm x 42mm
Weight: 177g

Accessories:
9V battery, Carrying case and Gift box.

EMC
EN: 61326
EN: 60825-1

● *150ms faster sampling time*
● *1% accuracy*

Model 8866TS

T-Sound

Worldwide Patent:
PCT/CN2012/082197

● *Dual laser pointers*
● *Large LCD display*

8866/8866TS compact Infrared Thermometer provides much faster, easy, and accurate readings for most surface temperature measurements.
Two laser points converge to a single spot when the unit is at the optimal distance from the object being measured.

- 300ms quickest sampling time with 1% accuracy
- Built-in dual laser pointers
- Wide temperature range from -35.0 to 800ºC (-31.0 to 1472ºF)
- Adjustable emissivity from 0.10 to 1.0
- Unique flat surface, modern housing design

Features

	8866/8866TS
User selectable ºC or ºF	*
Dual laser targeting	*
Automatic Data Hold	*
Auto Power Off	*
White Backlit LCD Display	*
Overrange indication	*
Trigger lock	*
Max / Min display	*
High and low alarm	*
Adjustable emissivity	*
High Temperature	800ºC/1472ºF
Optical Resolution (Distance to Spot size)	12:1
Green, Red & Blue blacklight: Normal, Higher & Lower temperature indications	8866TS
T-Sound: Changeable beeper indication by Temperature	8866TS

Specifications

	8866/8866TS
IR Temp. Range	-35ºC to 800ºC/
	-31ºF to 1472ºF
IR Temp. Resolution	0.1ºC/ºF
Optical Resolution	12:1 Distance to Spot size
Emissivity	Adjustable 0.10~1.0
Basic Accuracy	±1.0% of reading
Response Time	Less than 300ms
Spectral response	8-14µm
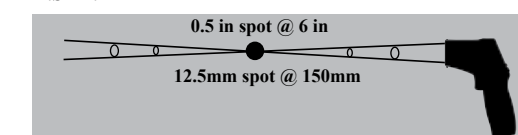
Distance (D) to Spot size(S)
D:S=12:1

0.5 in spot @ 6 in
12.5mm spot @ 150mm
(Unit: mm)

Size(HxWxD): 160mm x 82mm x 42mm
Weight: 177g

Accessories:
9V battery, Carrying case and Gift box

CEM

DT-8830/8831/8832/8833
Professional InfraRed Thermometers with Type K Input

DT-8833H/8835/8835TS
Professional InfraRed Thermometers with Type K Input

CEM

8830/8831/8832/8833 compact Infrared Thermometers provide fast, easy, and accurate readings for most surface temperature measurements with Type K Input and 20 Points Memory

● IR Thermometer with Type K Input and 20 Points Memory
● Widest temperature range from -50.0 to 800°C (-58.0 to 1472°F)
● Unique flat surface, modern housing design
● Built-in laser pointer
● Type K temperature measurements
● Automatic capture emissivity for targeting
● Automatic Data Hold
● Max, Min, DIF, AVG record
● High and low alarm
● Adjustable emissivity

Model 8830

● **13 : 1 distance to spot size**

● **IR Thermometer with Type K Input and 20 Points Memory**
● **Automatic capture emissivity for targeting**

Features

	8830	8831	8832	8833
User selectable °C or °F	*	*	*	*
Laser targeting	*	*	*	*
Automatic Data Hold	*	*	*	*
Auto Power Off	*	*	*	*
White Backlit LCD Display	*	*	*	*
Overrange indication	*	*	*	*
Trigger lock	*	*	*	*
Max, Min, DIF, AVG record	*	*	*	*
High and low alarm	*	*	*	*
Adjustable emissivity	*	*	*	*
Type K temperature measurements	*	*	*	*
Max. Temperature	380°C/716°F	480°C/896°F	580°C/1076°F	800°C/1472°F
Optical Resolution	13:1			

Specifications

	8830	8831	8832	8833
IR Temp. Range	-32°C to 380°C	-32°C to 480°C	-32°C to 580°C	-50°C to 800°C
	-25.6°F to 716°F	-25.6°F to 896°F	-25.6°F to 1076°F	-58°F to 1472°F
Optical Resolution	13:1			
IR Temp. Resolution	0.1°C/°F			
Type K Temp. Range	-50°C to 1370°C/-58°F to 2498°F			
Type K Temp. Resolution	0.1° up to 2000°, 1° over 2000°			
Response Time	Less than 1 second			
Basic Accuracy	±1.5% of reading			
Emissivity	Adjustable 0.10~1.0			

Size(HxWxD): 180mm x 106mm x 48mm
Weight: 250g

Model 8831

CE

EMC
EN: 61326
EN: 60825-1

Temperature probe
(Optional: NR-31B / TP-500 / TCP-100)

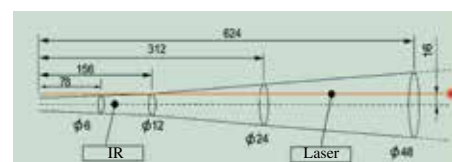**Thermistor clamp**   **TCP-100**

Applications
● Plant/General Maintenance
● HVAC/R
● Transportation/Automotive
● Cooling and Reheating
● Serving areas
● Food service Equipment
● Cold storage

Model 8832

Distance (D) to Spot size(S)
D:S=13:1   (Unit: mm)

IR   Laser

Accessories:
9V battery, Carrying case, clamshell and type K temperature probe

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● **IR Thermometer with Type K Input and 20 Points Memory**
● **Automatic capture emissivity for targeting**

Worldwide Patent:
PCT/CN2012/082197

8833H/8835/8835TS compact Infrared Thermometers provide fast, easy, and accurate readings for most surface temperature measurements with Type K Input and 20 Points Memory

● **30 : 1 distance to spot size**

● IR Thermometer with Type K Input and 20 Points Memory
● High 30:1 distance to target ratio measures smaller surface areas at
● greater distances
   Widest temperature range from -50.0 to 1050°C (-58.0 to 1922°F)
● Unique flat surface, modern housing design
● Built-in laser pointer
● Type K temperature measurement
● Automatic capture emissivity for targeting
● Automatic Data Hold
● Max, Min DIF, AVG record
● High and low alarm
● Adjustable emissivity

Model 8833H/8835

CE

EMC
EN: 61326
EN: 60825-1

Features

	8833H	8835/8835TS
User selectable °C or °F	*	*
Laser targeting	*	*
Automatic Data Hold	*	*
Auto Power Off	*	*
White Backlit LCD Display	*	*
Overrange indication	*	*
Trigger lock	*	*
Max, Min, DIF, AVG record	*	*
High and low alarm	*	*
Adjustable emissivity	*	*
Type K temperature measurements	*	*
High Temperature	850°C/1562°F	1050°C/1922°F
Optical Resolution	30:1	30:1
Green, Red & Blue blacklight: Normal, Higher & Lower temperature indications (8835TS)		
T-Sound: Changeable beeper indication by Temperature (8835TS)		

T-Sound

Model 8835TS

Specifications

	8833H	8835/8835TS
IR Temp. Range	-50°C to 850°C/	-50°C to 1050°C/
	-58°F to 1562°F	-58°F to 1922°F
Optical Resolution	30:1	
IR Temp. Resolution	0.1°C/°F	
Type K Temp. Range	-50°C to 1370°C/-58°F to 2498°F	
Type K Temp. Resolution	0.1° up to 2000°, 1° over 2000°	
Response Time	Less than 1 second	
Basic Accuracy	±1.5% of reading	
Emissivity	Adjustable 0.10~1.0	

Size(HxWxD): 180mm x 106mm x 48mm
Weight: 250g

Accessories:
9V battery, Carrying case, clamshell and type K temperature probe

Temperature probe
(Optional:NR-31B / TP-500 / TCP-100)

Thermistor clamp   **TCP-100**

Distance (D) to Spot size(S)
D:S=30:1   (Unit: mm)

IR   Laser

IR-230A/230B/230C
InfraRed Temperature Sensor Probe

Model IR-230A

Model IR-230B

Model IR-230C

The online Infrared Temperatrure sensor provides the advantages of infrared temperature measurement in a compact, designed to measure target temperature stability of production line.

Specifications

	230A	230B	230C
Output	10mV/°C	0 ~5V	4 ~20mA
Temperature range	0 to 230°C (32 to 446°F)	0 to 230°C (32 to 446°F)	0 to 230°C (32 to 446°F)
Distance to spots	4:1	4:1	4:1
Sampling time	500ms(95%)	500ms(95%)	500ms(95%)
Spectral	8~14µm	8~14µm	8~14µm
Accuracy	+/-1%	+/-1%	+/-1%
Emissivity	Fixed at 0.95	Fixed at 0.95	Fixed at 0.95

Size(HxWxD): 85mm x Φ12mm **Weight:** 50g
Accessories :
Cable and Gift box .

IR-91 Panel InfraRed Thermometer

Model IR-91

EMC
EN: 61326
EN: 60825-1

Features

User selectable ºC or ºF	*
Automatic Data Hold	*
Auto Power Off	*
Low battery indication	*
Set Min, Max, Lock	*

Specifications

Range	-35°C~900°C/ -31°F~1652°F
Response Time	Less than 500ms
Resolution	0.1°C/°F
Basic Accuracy	±1.5% or ±2°C/±4°F
Optical Resolution	50:1 Distance to Spot size
Emissivity	0.1 ~ 1.0 (adjustable)
Power	230 VAC (±10%), 0.1 A, switchable 50/60 Hz or 12 ~24 DCV

Size(HxWxD): 71mm x 71mm x 87mm
Weight: 268g
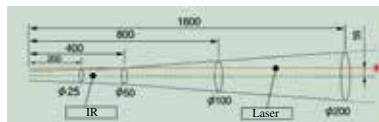**Accessories :**
Stand, Cable and Gift box .

IR-82 InfraRed Thermometer Probe

Model IR-82

- 8:1 Distance to Spot size ratio
- Built-in laser pointer
- Built-in Analog output of 1 mV/°C or °F & °C/°F switchable
- Compatible with multimeters, clamp meters, oscilloscope and industrial applications etc
- Ideal for applications where object being measured cannot be touched
- Provides instant , highly repeatable readings & Low battery indication

EMC
EN: 61326
EN: 60825-1

Distance (D) to Spot size(S)
D:S=8:1

(Unit: mm)

Specifications

Range	-35°C~550°C/ -31°F~1022°F
Response Time	Less than 500ms
Resolution	1mV/°C or °F
Basic Accuracy	±2% or ±2°C/±4°F
Optical Resolution	8:1
Emissivity	Fixed at 0.95
Battery	9V

Size(HxWxD): 166mm x 53mm x 40mm
Weight: 189g
Accessories :
9V battery, Clamshell

BX-350/500
Portable IR Calibrators

BX-350/BX-500 portable IR calibrators are used for calibrating long distance Infrared Thermometer, which are designed as handhold and small calibrators.

- Easily certify IR pyrometers to 500°C/932°F (BX-500)
- Large 2.25" (57 mm) blackbody target
- RTD (Resistance Thermometer detector) reference well for high precision

EMC
EN: 61326

Specifications

	BX-350	BX-500
Temperature Range	50°C ~ 350°C (122°F ~ 662°F)	50°C ~ 500°C (122°F ~ 932°F)
Accuracy	±0.5°C @ 100°C (±1.0°F @ 212ºF) ±1.2°C @ 350ºC (±2.4°F @ 662ºF)	±0.5°C @ 100°C (±1.0°F @ 212ºF) ±1.8°C @ 500ºC (±3.6°F @ 932ºF)
Stability	±0.1°C @ 100°C (±0.2°F @ 212°F) ±0.2°C @ 350ºC (±0.4°F @ 662ºF)	±0.1°C @ 100°C (±0.2°F @ 212°F) ±0.3°C @ 500ºC (±0.6°F @ 932ºF)
Target size	2.25" (57mm)	2.25" (57mm)
Target Emissivity	0.95	0.95
Resolution	0.1ºC/ºF	0.1ºC/ºF
Heating Time	30 minutes to max	40 minutes to max
Cooling Time	30 minutes max to 100ºC	45 minutes max to 100ºC
Power	230 VAC (±10%), 1.5 A; or 110V AC, 3A	

Model BX-350

Whether you're using in-line or handheld infrared pyrometers, you need a high performance calibration standard to verify accuracy. Portable IR Calibrator provides a stable blackbody target for calibrating non-contact IR thermometers up to 500ºC (BX-500).

The portable IR calibrator features a large temperature controlled blackbody target with a diameter of 2.25" (57 mm), which offers a wide field of view area for optical variations in IR thermometers. With an emissivity of 0.95, the isothermal target can be controlled in set-point increments of 0.1° from 50ºC to 500ºC (BX-500).

For even higher precision, a contact calibration well is located directly behind the blackbody surface. Using an optional digital RTD thermometer and calibrated secondary probe, accuracies of ±0.1ºC can be achieved.

Size(HxWxD): 180mm x 114mm x 233mm
Weight: 2682g
Accessories: Carton box, AC power cable.

BX-150 Dry-Well Temperature Calibrator

The new heat source to check your thermometer's accuracy up to 300°C/572°F. Simply set the heat source to the desired test point, insert the test probe into the best fitting well, and get a verification of the performance. It's that easy!

Specifications

Range	33°C to 300°C (91.4°F to 572°F)
Resolution	0.1°C/F
Accuracy	±0.5°C (33 to 199°C) & ± 1°C (200 to 300°C) ±0.9°F (91.4 to 390.2°F) & ± 1°F (392 to 572°F)
Stability	±0.5°C
Heating Time	ambient to 300°C (572°F) after 10 minutes
Cooling Time	300°C (572°F) to 100°C (212°F) after 10 minutes
Stabilization	5 minutes
Well Depth	4" (100mm)
Power	230/115 volts

Model BX-150

Size(HxWxD): 180mm x 114mm x 233mm
Weight: 2200g
Accessories: Box, AC power cable.

The IR-95 Food Safety infrared and contact thermometer for surface scans with a probe thermometer and alarm monitoring for internal temperature readings.

CE

EMC
EN: 61326
EN: 60825-1

Model IR-95
HACCP approved

IP65 waterproof

500ms faster sampling time

Features

Features
Built-in fold-out probe for measuring internal food temperatures
Probe temperature range -40 to 230 ℃
Countdown timer to monitor cooking, cooling and HACCP exposure times
Backlit display for clear readings in poorly lit areas
MIN/MAX temperature display for quick reference
IP65 waterproof
Mini modern housing design
Flash light

Specifications

Specifications	
IR Temp. Range	-40℃ to 280℃/-40℉ to 536℉
Response Time	Less than 500ms
Optical Resolution	4:1 Distance to Spot size
Emissivity	Fixed at 0.95
Thermistor Temperature Range	-40℃ to 230℃/-40℉ to 446℉
Resolution	0.1℃/℉
Basic Accuracy	±1.0% of reading

Size(HxWxD): 50mm x67mm x 185mm
Weight: 180g
Accessories:
2X1.5V "AAA" batteries, Clamshell.

DT-161 Waterproof Folding Thermometer

The 161 is a waterproof folding thermometer which offers handy, practical and strong support when carrying out temperature measurements. The thermometer features IP67 class protection and can be used under all conditions. It can also be easily cleaned under running water and has a rubber-coated surface for non-slip handling. The 161 has a large, illuminated display for easy and error-free viewing of measurement data under poor lighting conditions.

● Compact 5.9" size (15 cm)
● Ideally suited to core temperature measurements
● IP67 protection
● Non-slip rubber coated surface
● Large, illuminated readout display
● ABS/TPE/Metal housing

CE

EMC
EN: 61326
EN: 13485
EN: 60825-1

Model 161
HACCP approved

Features

Features	
Measuring temperature range	-50 to 290℃ / -58 to 554℉
Accuracy	±1℃ / ±1.8℉ (-50℃ to -30℃ / -58 to -22℉)
	±0.5℃ / ±0.9℉ (-30℃ to 120℃ / -22 to 248℉)
	±1℃ / ±1.8℉ (120℃ to 200℃ / 248 to -392℉)
	±2℃ / ±3.6℉ (200℃ to 290℃ / 392 to -554℉)
Resolution	0.1℃ / 0.1℉
Battery	2 x1.5V "AAA" batteries / 800 hr battery life
Material/Housing	ABS

Size(HxWxD): 150mm x 45mm x 20mm   **Accessories :**
Weight: 50g   2 x1.5V "AAA" batteries, Clamshell
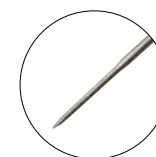
Probe is suitable for various field test

Solid metal surface

Compact size

IP67 waterproof

IR-97 Food Safety Infrared Thermometer

The Food Safety infrared non-contact thermometer for surface scans with a probe thermometer for internal temperature readings. An integrated countdown timer with alarm monitors line checks as well as cooking and cooling intervals.

CE

EMC
EN: 61326
EN: 60825-1

Features

Features
Built-in fold-out probe for measuring internal food temperatures
Probe temperature range -40 to 200 ℃
Countdown timer to monitor cooking, cooling and HACCP exposure times
Backlit display for clear readings in poorly lit areas
MAX temperature displayed for quick reference

Specifications

Specifications	
IR Temp. Range	-40℃ to 280℃/-40℉ to 536℉
Response Time	Less than 500ms
Optical Resolution	4:1 Distance to Spot size
Emissivity	Fixed at 0.95
Thermistor Temperature Range	-40℃ to 200℃/-40℉ to 392℉
Resolution	0.1℃/℉
Basic Accuracy	±1.0% of reading

Size(HxWxD): 50mm x67mm x 185mm
Weight: 180g
Accessories:
9V battery, Clamshell.

DT-162/163
Professional Wireless BBQ Thermometers

162/163 professional wireless BBQ thermometer measures the core temperature of grilled food, transmits it wirelessly to a portable display, signals its doneness and gives an acoustic and visual alarm when the cooking time is about to be exceeded. A temperature probe measures the temperature of the grilled or pan-fried food, while the transmitter sends the data to the portable receiver over a distance of up to approx. 30m. The receiver features an acoustic voice output in five languages. The temperature can be displayed in ℃ or ℉. The stainless steel temperature probe can be disassembled from the transmitter for easy cleaning.
162 BBQ thermometer is with single measuring probe.
163 BBQ thermometer is with dual measuring probes.

CE

EMC
EN: 61326
EN: 60825-1

HACCP approved

Features

	162	163
Food and cooking temperature of the wireless transmission functions	*	*
Dual probe measurement		*
Multi-LED indicate the food temperature	*	
Temperature and Time gauge alarm functions	*	*
Food type and taste level selection	*	*
Food, temperature and time display	*	*
℃/℉ temperature selection	*	*
Backlight function	*	*

Specification

Temperature range	-40 to 230℃ / -40 to 446℉
Temperature accuracy	±1% ±1℃ / ±1% ±1.8℉
Transmitter range	30m
Power supply	2*1.5AAA

Size(HxWxD): 150mm x 45mm x 20mm
Weight: 50g

Accessories : 2 x1.5V "AAA" batteries, Clamshell

Model：163

Model：162

IR-92/93
Food Safety Infrared Thermometer

IR-92/93 Series The Non-contact Infrared Thermometers can be used to measure the temperature of objects' surface that is improper to be measured by traditional (contact) thermometer (such as moving object, the surface with electricity current or the objects which are uneasy to be touched.)

● Unique flat surface, mini modern housing design
● Temperature measurements from -35.0℃ to 300℃/-31.0℉ to 572℉
● Built-in laser pointer identifies target area
● Backlighting illuminates display for taking measurements at night or in areas with low background light levels
● Overrange indication
● Auto Data Hold when trigger released
● Auto Power Off

CE

EMC
EN: 61326
EN: 60825-1

HACCP approved (IR-93)

Distance (D) to Spot size(S)
D:S=8:1
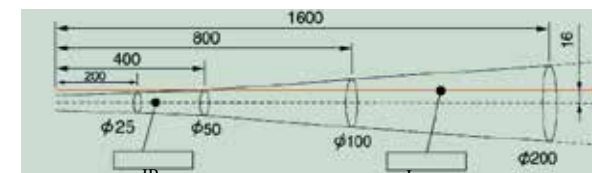
(Unit: mm)

Features

	IR-92	IR-93
User selectable ℃ or ℉	*	*
Laser targeting	*	*
Automatic Data Hold	*	*
Auto Power Off	*	*
Overrange indication	*	*
For food		*

Specifications

	IR-92	IR-93
Temperature Range	-18 to 300℃/ 0 to 572 ℉	-35 to 300℃/-31to 572 ℉
D:S	8:1	6:1
Temperature accuracy	±3.6 ℉ (2℃) or ±2% of reading	Blow 39°F (4°C) ±3.6°F (2°C) 39 to 150°F (4 to 65°C) ±2°F (1°C) Above 149°F (65°C) ±(1%+2°F(1°C)) of reading.
Response Wavelength range	8-14um	
Resolution	0.1	
Emissivity	Fixed at 0.95	Fixed at 0.97
Response Time	About 150ms	
Laser wavelength	630-660nm	
Laser class	Class 2	
Data hold	Yes	
℃/ ℉ Switchable	Yes	
Low power indication	Yes	
Auto turn off	About 7 sec.	
Operating temp.	0 to 50℃(32 to 122 ℉)	
Storage temp.	−10 to 60℃ (-4 to 140 ℉)	
Relative humidity	10%~90%RH operating, <80%RH storage	
Power supply	9V battery, NEDA 1604A or IEC 6LR61, or equivalent	

Size(HxWxD): 186mm x45mm x 38mm
Weight: 190g
Accessories:
9V battery, Clamshell.

CE

EMC
EN: 61326
EN: 60825-1

Model：IR-93

Model：IR-92

CEM

IR-96
Food Safety IR Thermometer with thermistor probe

IR-69
Red wine IR Thermometer with Electronic Vacuum Wine Preserver

CEM

Features

User selectable ℃ or ℉	
Data Hold & Auto Power Off	
Overrange indication	
Max, Min record	
IR with probe temperature	

CE

EMC
EN: 61326
EN: 60825-1

2 in 1 IR Thermometer with thermistor probe

Model IR-96

Specifications

IR Temp. Range	-35℃ to 260℃/
	-31℉ to 500℉
IR Temp. Resolution	0.1℃/℉
Optical Resolution	1:1 Distance to Spot size
Emissivity	Adjustable 0.10~1.0
Thermistor Temperature	-40℃ to 260℃/
Range	-40℉ to 500℉
Resolution	0.1℃/℉
Response Time	Less than 1 second
Basic Accuracy	±2% of reading

Size(HxWxD): 140mm x 42mm x 25mm
Weight: 80g
Accessories:
CR2032 Button battery, Clamshell.

DT-880B Food Thermometer with Red/Green LED indication

● High Accuracy for food temperature measurement.
● Set alarm & Sound alarm if temperature is exceeded.
● Digital LCD display with backlit.
● Data displayed in Celsius or Fahrernheit.
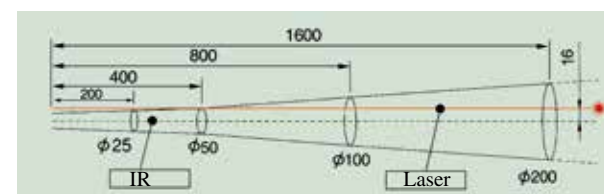● Auto power off (energy saver).
● Small, convenient, easy to use.

Model 880B

Size(HxWxD): 160mm x 82mm x 42mm
Weight: 177g
Accessories:
9V battery, Carrying case and Gift box.

Specifications

Surface Temp.range	-50.0 to 200℃(-58℉ to 392℉)
Basic Accuracy	±0.3℃/±0.6℉ at 30℃~40℃/
	86℉~104℉ Range
Optical Resolution	8:1 Distance to Spot size
Resolution	0.1° C/F
Response Time	Less than 1 second
Emissivity	Fixed at 0.95

Distance (D) to Spot size (S)
D:S=8:1

```
                          1600
              800
       400
    200                                          16
  φ25    φ50        φ100              φ200
    IR              Laser
```
(Unit: mm)

IP rating 67
Easy to use
LCD screen shows readings in Fahrenheit or Celsius
Compact size design

Features

User selectable ℃ or ℉	
Automatic Data Hold	
Auto Power Off	
Low battery indication	
Fast sampling time 300ms	
Prseve the original taste,aroma and color of your wine	
Automatic vacuum sealing opened wines in seconds	
Easy-to-read lcd display indicating wine temperature,sealing status and counts the days.	
No-slip, no-scratch soft touch grip	
Continuous air pressure detection and auto re-pump of air	

Specifications

Range	-35℃~100℃/-31℉~212℉
Basic Accuracy	±1.5% or ±1.5℃/±3℉
Optical Resolution	8:1
Resolution	0.1℃/℉
Emissivity	Fixed at 0.95

Size: 100mm x 25mm
Weight: 33g
Accessories :
Two LR44(1.5V) button batteries, Clamshell

HACCP approved

1.5% Accuracy

300ms faster sampling time

CE

EMC
EN: 61326
EN: 60825-1

Model IR-69

CEM

IR-65/65B/67/67B
Pocket InfraRed Thermometers

IR-66/66B
Pocket InfraRed Thermometers

CEM

1.5% Accuracy (IR-65B)

● 300ms quickest sampling time with 1.5% accuracy (IR-65B)
● Easy to use : hold it within two feet of the area to be measured and push the button
● Large LCD screen shows readings in Fahrenheit or Celsius
● Range: -35 to 250ºC/-31 to 482ºF (IR-65B)
● Compact size design for the ultimate in convenience and portability
● World smallest & IP rating 67 (IR-67/67B)

Model IR-65

C E

EMC
EN: 61326
EN: 60825-1

Features

	IR-65	IR-65B	IR-67	IR-67B
User selectable ºC or ºF	*	*	*	*
Automatic Data Hold	*	*	*	*
Auto Power Off	*	*	*	*
Low battery indication	*	*	*	*
Lock function	*	*	*	*
Set Min, Max	*	*		
Fast sampling time	<1s	300ms	<1s	<1s
Housing material	Plastic	Plastic	Plastic	Metal
High accuracy		1.5%		1.5%

Specifications

	IR-65	IR-65B	IR-67	IR-67B
Range	-35ºC~230ºC/-31ºF~446ºF	-35ºC~250ºC/-31ºF~482ºF	-35ºC~230ºC/-31ºF~446ºF	-35ºC~250ºC/-31ºF~482ºF
Response Time	Less than 1 second	Less than 1 second	Less than 1 second	Less than 1 second
Basic Accuracy	±2% or ±2ºC/±4ºF	±1.5% or ±2ºC/±4ºF	±2% or ±2ºC/±4ºF	±1.5% or ±2ºC/±4ºF
Optical Resolution	1:1			
Emissivity	Fixed at 0.95	0.1 to 1(adjustable)	Fixed at 0.95	
Resolution	0.1ºC/ºF			

Size: 80mm x 40mmx25mm (IR-65/65B)
        100mm x 25mm(IR-67/67B)
Weight: 36g (IR-65/65B)   33g(IR-67/67B)
Accessories : One CR2032 button battery & Clamshell (IR-65/65B)
                Two LR44(1.5V) button batteries, Clamshell (IR-67/67B)

World smallest

≤100ºC Green backlit   >100ºC Red backlit

Model IR-67B

Features

	IR-66	IR-66B
User selectable ºC or ºF	*	*
Automatic Data Hold	*	*
Auto Power Off	*	*
Low battery indication	*	*
Lock function	*	*
Set Min, Max	*	*
Fast sampling time	<1s	300ms
High accuracy		1.5%

● 300ms quickest sampling time with 1.5% accuracy (IR-66B)
● Easy to use : hold it within two feet of the area to be measured and push the button
● Large LCD screen shows readings in Fahrenheit or Celsius
● Range: -35 to 250ºC/-31 to 482ºF
● Compact size design for the ultimate in convenience and portability

1.5% Accuracy (IR-66B)

Specifications

	IR-66	IR-66B
Range	-35ºC~230ºC/-31ºF~446ºF	-35ºC~250ºC/-31ºF~482ºF
Response Time	Less than 1second	Less than 300ms
Basic Accuracy	±2% or ±2ºC/±4ºF	±1.5% or ±2ºC/±4ºF
Optical Resolution	1:1	
Resolution	0.1ºC/ºF	
Emissivity	Fixed at 0.95	

300ms faster sampling time (IR-66B)

Model IR-66

C E

EMC
EN: 61326
EN: 60825-1

Size(HxWxD): 75mm x 40mm x 20mm
Weight: 33g

Accessories :
One CR2032 button battery, Carrying Case & Clamshell

Model IR-66B

IR-77H/88/88H series Pocket InfraRed Thermometers with Laser Pointer

The IR-77H/88/88H series Pocket InfraRed Thermometers are new models designed with lower cost. Check all types of A/C and heating systems. Monitor performance of appliances such as refrigerator, dishwasher, freezer and oven. Ensure proper cooking, grilling and storage temperatures.

● Built-in laser pointer identifies target area
● 6:1 Distance to Spot size ratio
● Data Hold and Max Hold (IR-88/88H)
● Fixed emissivity 0.95 covers 90% of surface applications
● Adjustable Emissivity (88H)
● 0.1º resolution (88H)
● Lock for continuous use (88H)
● Programmable alarm setpoint (88H)

● *Laser Pointer*
● *Measure up to 270ºC/518ºF*

● *6:1 Distance to Spot*
● *Adjustable Emissivity (88H)*

Model IR-88

Specifications

	IR-77H	IR-86/IR-87/IR-88	IR-88H
Range	-30ºC~270ºC/-22ºF~518ºF	-20ºC~270ºC/-4ºF~518ºF	-20ºC~270ºC/-4ºF~518ºF
Response Time	Less than 1 second	Less than 1 second	Less than 750ms
Resolution	0.1ºC/ºF	1ºC/ºF	0.1ºC/ºF
Basic Accuracy	±2% or ±2ºC/±4ºF	±2% or ±2ºC/±4ºF	±2% or ±2ºC/±4ºF
Optical Resolution	6:1	6:1	6:1
Emissivity	Fixed at 0.95	Fixed at 0.95	0.1 to 1 (adjustable)
Battery	1.5V AAA battery x 2	1.5V AAA battery x 2	1.5V AAA battery x 2

Size(HxWxD): IR-77H: 97mm x 57mm x 29mm
              IR-86/87/88/88H: 97mm x 53mm x 25mm
Weight: 81g

Accessories :
Two "AAA" Batteries, Manual and Clamshell.

Model IR-77H

IR-2G
2 in 1 InfraRed Thermometer & Flash Memory

- IR temperature reading on LCD display
- 2G capacity flash memory

Specifications

IR Temp. Range	-35ºC~230ºC (-31ºF~446ºF)
Response Time	Less than 1second
Basic Accuracy	±2% or ±2ºC/±4ºF
Optical Resolution	1:1
Resolution	0.1ºC/ºF
Emissivity	Fixed at 0.95
Flash memory	2G bits

EMC
EN: 61326

Size(HxWxD): 102mm x 35 x 20mm
Weight: 48g

Accessories:
Two "AAA" batteries, Clamshell.

IR-15
2 in 1 InfraRed Thermometer & Pressure Temperature Chart

2 in 1 Digital Infrared Thermometer with pressure temperature chart offers fast and accurate IR temperature or temperature references on a large easy-to-read LCD display.

- Rugged, double molded case
- Easy to chart the references of freezing devices

EMC
EN: 61326

Specifications

IR Temp. Range	-30 to 500ºC/-22 to 932ºF
Response Time	Less than 300 ms
Basic Accuracy	±1.5% or ±2ºC/±4ºF
Optical Resolution	13:1
Resolution	0.1ºC/ºF
Emissivity	Fixed at 0.95

Size(HxWxD): 154mm x 61mm x 46mm
Weight: 190g

Accessories :
9V battery, gift box with carrying case.

AC-8T
2 in 1 InfraRed Thermometer & Non-contact AC Voltage

2 in 1 Infrared Thermometer with Non-contact AC Voltage(NCV) provides easy and safety measurement. Check all types of A/C, electronic and heating systems.

- IR temperature reading on LCD display
- Non-contact Detection of AC Voltage from 100VAC to 1000VAC
- Pocket size with Rugged, double molded case
- NCV self-test function

EMC
EN: 61326

Specifications (IR thermometer)

IR Temp. Range	-35ºC~230ºC (-31ºF~446ºF)
Response Time	Less than 1second
Basic Accuracy	±2% or ±2ºC/±4ºF
Optical Resolution	1:1
Resolution	0.1ºC/ºF
Emissivity	Fixed at 0.95

Specifications (NCV)

Standard	CAT III 1000V
Operating Range	VoltFinder: 100 ~ 1000V AC;
	200 ~ 1000V AC (European standard)

Size(HxWxD): 158mm x 21mm x 25mm
Weight: 34g

Accessories :
Two "AAA" batteries, clamshell

IR-98/99
3 in 1 IR Thermometer with thermistor probe & clamp

Features

	IR-98	IR-99
User selectable ºC or ºF	*	*
Data Hold & Auto Power Off	*	*
Overrange indication	*	*
Max, Min record	*	*
IR with probe temperature	*	
IR with probe & clamp temperature		*

Specifications

		IR-98	IR-99
IR Temp. Range	-35ºC to 260ºC/	*	*
	-31ºF to 500ºF		
IR Temp. Resolution	0.1ºC/ºF	*	*
Optical Resolution	1:1 Distance to Spot size	*	*
Emissivity	Adjustable 0.10~1.0	*	*
Thermistor Temperature	-40ºC to 260ºC/	*	*
Range	-40ºF to 500ºF		
Resolution	0.1ºC/ºF	*	*
Clamp Temperature	-40ºC to 200ºC/		*
Range	-40ºF to 392ºF		
Response Time	Less than 1 second	*	*
Basic Accuracy	±2% of reading	*	*

180°

Model IR-99

Model IR-98

Size(HxWxD): 140mm x 42mm x 25mm (IR-98)
Weight: 80g
Accessories:
CR2032 Button battery, Clamshell.

Size(HxWxD): 183mm x 52mm x 25mm(IR-99)
Weight: 109g
Accessories:
CR2032 Button battery, Clamshell.

8810 Series and IR-68 Multifunction InfraRed Thermometers

8810 Series and IR-68 Non-contact IR Thermometers are multifunctional and low cost, provide quick non-contact wide range temperature measurements. Targeting objects are easy with the bright laser beam.

- Unique flat surface(8810H/8811H/8812H)
- Built-in laser pointer identifies target area
- 16˝ Gooseneck detector is easy to measure the hard-to-reach areas (IR-68)

EMC
EN: 61326
EN: 60825-1

World patent

Model IR-68

16˝ Gooseneck detector

Features

	8810H/8810	8811H/8811	8812H/8812	IR-68
16"Gooseneck detector				*
User selectable ºC or ºF	*	*	*	*
Laser targeting	*	*	*	*
Automatic Data Hold	*	*	*	*
Audible and visible Overrange indication		*	*	
Auto Power Off	*	*	*	*
Backlit LCD Display	*	*	*	*
Low battery indication	*	*	*	*
Wide range		*	*	*
Automatic range			*	*

Features

	8810H	8811H	8812H	IR-68
Range	-20ºC to 350ºC/	-20ºC to 500ºC/	-50ºC to 650ºC/	-50ºC to 600ºC
	-4ºF to 662ºF	-4ºF to 932ºF	-58ºF to 1202ºF	-58ºF to 1112ºF
Response time	Less than 1 second.	Less than 1 second.	Less than 1 second.	Less than 1 second.
Resolution	0.1º up to 200º, 1º over 200º	0.1º up to 200º, 1º over 200º	0.1º up to 200º, 1º over 200º	0.1º up to 200º, 1º over 200º
Basic Accuracy	± 2% of reading or±2ºC/±4ºF	± 2% of reading or±2ºC/±4ºF	± 2% of reading or±2ºC/±4ºF	± 2% of reading or±2ºC/±4ºF
Optical resolution	8:1 Distance to Spot size	8:1 Distance to Spot size	8:1 Distance to Spot size	8:1 Distance to Spot size
Emissivity	Fixed at 0.95	Fixed at 0.95	Fixed at 0.95	Fixed at 0.95

Model 8811H

Size(HxWxD): 159mm x 79mm x 57mm
Weight: 180g

Accessories:
9V battery, Clamshell or gift box with carrying case

Non-Contact Clinical Forehead InfraRed Thermometers

FDA CE 0197 FC 👤

8806U/8806H/8816H Clinical Forehead Infrared Thermometers ensure accurate and stable body temperature readings, which is particular efficient for taking the temperature of newborn babies and very young children. From a distance of around 5cm, all you have to do is pointing it towards the forehead to read the temperature shown on the LCD screen.

● 8806H is portable and easy to take the measurements and store 32 readings.
● 8816H is portable with body temperature datalogger to memory 6000 readings.
● 8806U is portable with USB interface

Safety Conformance
• ASTM E1965-1998
• EN 980: Graphical symbols for use in the labeling of medical devices
• EN 1041:Information supplied by the manufacturer with medical diveces
• EN 60601-1: Medical electrical equipment Part 1: General requirements for safety (IEC:60601-1:1998)
• EN 60601-1-2: Medical electrical equipment Part 1-2: General requirements for safety Collateral standard Electromagnetic compatibility Requirements and test (IEC 60601-1-2:2001)

Model 8806H

Model 8816H

Features

	8806H	8806U	8816H
Precise non-contact forehead temperature measurements	*	*	*
Selectable ºC or ºF & forehead heat detection	*	*	*
Selectable Body and Surface temperature	*	*	*
Set alarm value and sound alarm	*	*	*
Memorization of the last 32 measurements	*	*	*
Automatic Data Hold & Auto power off	*	*	*
Automatic selection range	*	*	*
Display Resolution 0.1ºC(0.1ºF)	*	*	*
Backlight LCD display	*	*	*
Wireless data transmitting(RF433MHz)			*
6000 Readings memories			*
Records readings with real date and time stamp			*
Read the Max/Min measuring temperature			*
USB interface		*	*

Specifications

Range(In body mode)	32.0ºC to 42.5ºC/89.6ºF to 108.5ºF
Range(In Surface mode)	0ºC to 60ºC/32ºF to 140ºF
Resolution	0.1ºC/0.1ºF
Basic accuracy ASTM E1965-1998(2003)	32 to 35.9ºC/93.2 to 96.6ºF(±0.3ºC/±0.5ºF)
	36 to 39ºC/96.8 to 96.6 to 102.2ºF(±0.2ºC/±0.4ºF)
	39 to 42.5ºC/102.2 to 108.5ºF(±0.3ºC/±0.5ºF)
Measuring distance	5-15CM
Response time	0.5 second

Model 8816R

Body Temperature Datalogger

Size(HxWxD): 146mm x 88mm x 43mm (8806H/8816U/8816H)
Weight: 205g

Accessories: 2x1.5V"AA"batteries, Carrying case and Gift box.

Non-Contact Forehead IR Thermometer is specially designed to take the body temperature of a person regardless of room temperature.

Safety Conformance
• ASTM E1965-1998
• EN 980: Graphical symbols for use in the labeling of medical devices
• EN 1041:Information supplied by the manufacturer with medical diveces
• EN 60601-1: Medical electrical equipment Part 1: General requirements for safety (IEC:60601-1:1998)
• EN 60601-1-2: Medical electrical equipment Part 1-2: General requirements for safety Collateral standard Electromagnetic compatibility Requirements and test (IEC 60601-1-2:2001)

Model 8806S

CE 0197 FC 👤

FDA

Features

	8806	8806S
Housing colour	Blue	Purple
Precise non-contact forehead temperature measurements	*	*
Selectable ºC or ºF & forehead heat detection	*	*
Selectable Body and Surface temperature	*	*
Set alarm value and sound alarm	*	*
Memorization of the last 32 measurements	*	*
Automatic Data Hold & Auto power off	*	*
Automatic selection range	*	*
Display Resolution 0.1ºC(0.1ºF)	*	*
Backlight LCD display	*	*

Specifications

Range(In body mode)	32.0ºC to 42.5ºC/89.6ºF to 108.5ºF
Range(In Surface mode)	0ºC to 60ºC/32ºF to 140ºF
Resolution	0.1ºC/0.1ºF
Basic accuracy ASTM E1965-1998(2003)	32 to 35.9ºC/93.2 to 96.6ºF(±0.3ºC/±0.5ºF)
	36 to 39ºC/96.8 to 96.6 to 102.2ºF(±0.2ºC/±0.4ºF)
	39 to 42.5ºC/102.2 to 108.5ºF(±0.3ºC/±0.5ºF)
Measuring distance	5-15cm
Response time	0.5 second

Size(HxWxD): 131mm x 82mm x 35mm (8806/8806S)
Weight: 130g
Accessories: 2x1.5V"AA"batteries, Carrying case and Gift box.

DT-608 Mini Non-Contact Forehead Infrared Thermometer

Non-Contact Forehead IR Thermometer is specially designed to take the body temperature of a person regardless of room temperature.

Features

Precise non-contact body temperature measurements
Selectable ºC or ºF & forehead heat detection
Selectable Body and Surface temperature
Automatic Data Hold & Auto power off
Automatic selection range and Display Resolution 0.1ºC(0.1ºF)
0.5~2.5cm Measuring distance

CE 0197 FC 👤

FDA

Specifications

Body temperature range	30.0ºC to 42.5ºC/86ºF to 109ºF
Surface temperature range	0ºC to 60ºC(32ºF to 140ºF)
Resolution	0.1ºC/0.1ºF
Basic accuracy	±0.3ºC at 30ºC~40ºC/86ºF~104ºF Range
Response time	0.5 second
Over range indication	LCD will show "Hi"/ "Lo"
Emissivity	fixed at 0.95
Spectral response	6~14um
Power off	Automatic shut off after 7 seconds, approx.

Model 608

Size(HxWxD): 80mm x 40mm x 23mm
Weight: 33g

Accessories: One CR2032 button battery, Carrying case and Gift box.
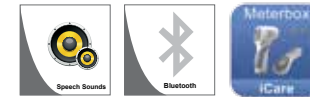
Non-Contact Body IR Thermometer is specially designed to read the body temperature of a person regardless of room temperature.

Made for
iPod iPhone iPad

Bluetooth

iCare software
for Body Thermometers

Model 806B

Non-Contact Body IR Thermometer is a newly design with European style, specially designed to take the body temperature of a person regardless of room temperature.

Features

	806//806D/806R	806C	806CV	806B
Precise non-contact body temperature measurements	*	*	*	*
Selectable ºC or ºF & forehead heat detection	*	*	*	*
Selectable Body and Surface temperature	*	*	*	*
Set alarm value and sound alarm	*	*	*	*
Memorization of the last 32 measurements	*	*	*	*
Automatic Data Hold & Auto power off	*	*	*	*
Automatic selection range and Display Resolution 0.1ºC(0.1ºF)	*	*	*	*
Backlight LCD display	*	*	*	*
Meterbox iCare & cloud computing service				*
Red, orange, green LED indicator		*	*	
Talking function			*	
Body IR Thermometer analyzer				*
Measuring distance (Distance to Spot size)	8:1	8:1	8:1	8:1
Bluetooth & Cloud server				*

Specifications

Body temperature range	30.0ºC to 42.5ºC/86ºF to 109ºF
Surface temperature range	0ºC to 60ºC(32ºF to 140ºF)
Resolution	0.1ºC/0.1ºF
Basic accuracy	±0.3ºC at 30ºC~40ºC/86ºF~104ºF Range
Measuring distance (806)	Body temp.:5-15CM (Surface temp: 8:1 Distance to Spot size)
Response time	0.5 second
Over range indication	LCD will show "Hi"/ "Lo"
Emissivity	fixed at 0.95
Spectral response	6~14um
Power off	Automatic shut off after 7 seconds, approx.
Operating temperature	0ºC to 50ºC (32ºF to 122ºF)
Storage temperature	-20ºC to 60ºC(-4ºF to 140ºF)
Relative humidity	10%~90%RH operating, <80%RH storage

Model 806

Model 806B **Model 806D** **Model 806R**

Model 806C

Green backlight
Normal

Blue backlight
Low temperature reading alarm

Red backlight
High temperature reading alarm

Model 806B

Body IR Thermometer analyzer

Size(HxWxD): 150mm x 58mm x 40mm
Weight: 157g
Accessories:
2 x1.5V "AAA" battery, Carrying case and Gift box.

DT-886
Ear Thermometer

886 Infrared Ear Thermometer measures the kind of temperature from the eardrum has been found to be a clinically reliable indicator of body core temperature.It is a high quality product incoperating the latest technology and tested in accordance with international standard.It performs a self-test every time and can be used by consumers in household environment and doctor in clinic as reference.

Features

Unique Thermoscan Feedback system confirms the thermometer is in the correct position and then confirms an accurate temperature reading has been taken by a constant light and a beep	
Temperature results in degrees ºC or degrees ºF	
Accurate and safe for newborns and the whole family, new ultra soft and gentle tip is warmed up for accuracy and extra comfort Memory recalls last 8 temperatures	

Specifications

Temperature unit	ºC/ºF
Body Temperature range	32.0ºC~42.9ºC/95ºF~109ºF
Basic accuracy	35.5ºC~42.0ºC(±0.1ºC/0.2ºF)
Resolution	0.1ºC/0.1ºF
Response time	0.5S
Operating environment	5ºC~40ºC (41ºF~104ºF) /15~95%RH

Model 886

Size(HxWxD): 155mm x 50mm x 33mm
Weight: 68g

Accessories:
2x1.5V batteries, Gift box.

DT-137 Electron Clinical Thermometer

The special-purpose of electron clinical thermometer is body temperature Measuring, offering safe, accurate and quick temperature readings. Select oral, rectal or axillary as your measurement site. No need to worry about broken glass or mercury hazards.

Specifications

Measurement rang	32.0ºC -42.9ºC(89.6ºF-109.2ºF
Measurement accuracy	±0.1ºC(0.2ºF)between 35ºC to 42ºC (95ºF to 107.6ºF)
Operating Temperature	10ºC to 40ºC(50ºFto 104ºF)
Storage temperature	-10ºC to +60ºC
Memory	For signaling the last measured value
Battery:	3V, CR2032

Model 137

Size(HxWxD): 156mm x 34mm x 22mm
Weight: 32g

Accessories:
CR2032 3V battery, Clamshell

BP-96/96B/96H Electronic Blood Pressure Monitor

Specifications

Systolic/mmHg	Diastolic/mmHg	Meaning	Action
<105	<60	Hypotonic	Consult your doctor
105-140	60-90	Normal	Self-monitoring is sufficient
140-160	90-95	Borderline hypertonic	Consult your doctor
>160	95-105	Mildly hypertonic	Consult your doctor
>160	105-115	Hypertonic,medium severity	Get medical attention
>180	>115	Severely hypertonic	Get medical attention immediately

Model 96B

Model 96

Model 96H

Size(HxWxD): 66mm x 65mm x 30mm(96)
73mm x 68mm x 28mm(96B)
85mm x 85mm x 28mm(96H)
Weight: 99g(96), 107g(96B),133g (96H)

BP-102/106
Electronic Blood Pressure Monitor

BP-102/106 Armcuff is suitable for arm from 220 to 320mm circumference, the blood pressure monitor readjust itself to identify the necessary pumping pressure, if the pumping pressure set in the factory is not sufficient, the device identifies this and continues pumping

Model BP-102

Features

Talking function （BP-102)
99 x2 memory locations
The date and time are displayed and stored together with every blood pressure value
If the battery icon is displayed, the batteries are discharged and the device cannot be used until new batteries are installed

Specifications

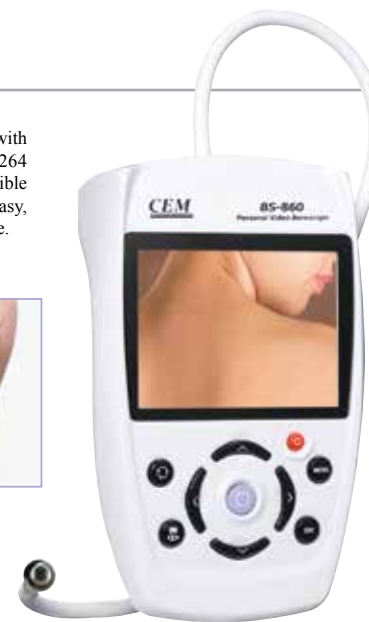| Display	Digital LCD display
Measurement	Oscillometric method
Pressure Display Range	0-299mmHg
Measurement Range	Pressure: 30 to 280 mmHg
Pulse rate	40 to 199 beats/min
Accuracy	Pressure: Within ±5 mmHg
	Pulse rate: Within ±5% of reading
Power Supply	4×1.5V "AA" Size Batteries
Operating Environment	10~40°C /15%~85%RH
Storage Environment	-10~50°C/10%~93%RH
Measurable Arm Circumference	220mm~320mm
Safety Classification	Internal power: Type B
Inflation	Automatic inflation with pumping
Air Release	Automatic rapid air release
Pressure Detection	Electrostatic capacity pressure sensor
Pulse Detection	Electrostatic capacity pressure sensor

Size(HxWxD): 136mm x 131.5mm x 68.5mm(106),145mm x 113mm x 115mm(102)
Weight: 451g(106),596g(102)

Accessories:
4x1.5V "AA" batteries, Carrying case and Gift box.

Model BP-106

BS-860 High Definition Personal Video Borescope

BS-860 personal video borescope using 3.5" TFT LCD with high resolution: 320(W) × 240(H) application of H. 264 video codec technology makes images clearer. The flexible and comfortable waterproof (IP67) goose neck provide easy, simple and convenient way to check the place hard to see.

Features

3.5" Color TFT LCD
Camera and Video function
Support real-time live view
TV peripherals to support operations in other
Highlighted with LED to support the operation in the dark
Built-in 1800mAh lithium battery, support USB charging
Standby function to support the charge
Support rotating the image 180° from top to bottom
Flexible gooseneck camera head with waterproof

EMC
EN: 61326

Specifications

LCD screen type	3.5"TFT
LCD Pixels	320x240
The max number of frames(FPS)	30FPS/S
Picture format from the camera	JPG(640x480)
Camera video format	AVI
Gooseneck length	1m(39")
Camera diameter	6mm(0.23")
Viewing distance	15cm to ∞
Viewing direction	Viewing angle 64º
Zoom and Rotation	2xZoom, 90° rotation
SD card	2GB/Max 32GB
Dust and water proof	IP 67
Working voltage	Li Battery 3.7V/1800mA
Language	Support English,French,German, Spanish

Size(HxWxD): 120mm x 87mm x 185mm
Weight: 584g

Accessories:
3.7V Li battery, gift box with carrying case.

Model 860

3.5"Color TFT LCD	Allows user to view image and video on LCD monitor
Flexible gooseneck imager head with waterproof and Easily perform visual inspections in hard to reach areas	High visibility and 10 degree adjustable LED lighting
Camera and Video function	Rechargeable battery with USB cable Support SD memory card expansion
	Menu with multinational language