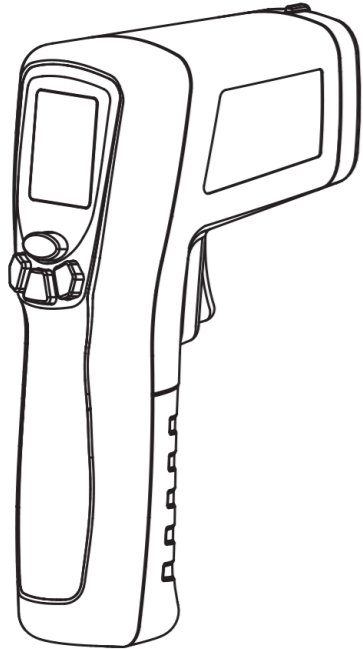


Infrared Thermometer



Description

Noncontact Thermometer detects the infrared ray that an object emits, The instrument focalizes infrared energy of the object onto a sensor through a lens, changes the surface temperature into electric signal, a microcomputer calculates and displays the measurement temperature on the LCD.

- Single-spot Laser Sighting
- Backlit Display
- Current Temperature Plus MIN, MAX, AVG Temperature Displays
- Preset Emissivity 0.95

Warning

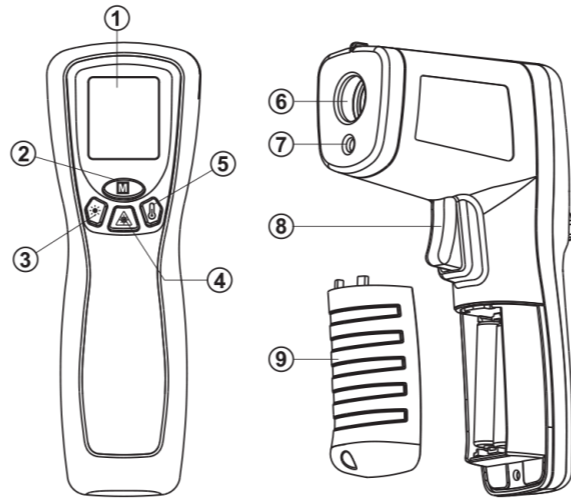
- Please read the following information carefully before using the meter. Protection is impaired if used in a manner not specified in this manual
- Do not clear the meter using solvents.
- Keep the instrument clean, and do not get dust into detecting hole.
- Do not point laser directly at eye or indirectly off reflective surfaces.
- Laser :class 2 <1mW/630-670nm
- Laser radiation is classified according to IEC 60825-1: 2014-05, Safety of laser products – Part 1: Equipment classification and requirements.

CAUTION
 **LASER RADIATION - DO NOT STARE INTO BEAM.**
AVOID EXPOSURE - LASER RADIATION IS EMITTED FROM THIS APERTURE.
 MAX OUTPUT <1mW, WAVELENGTH 630-670nm, CLASS 2 LASER PRODUCT

WARNING
 **Laser radiation - when open do not stare into beam.**

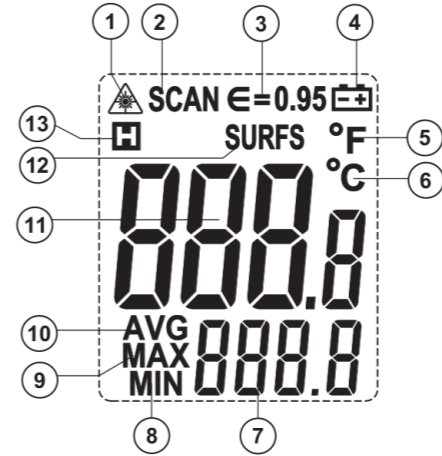


Panel



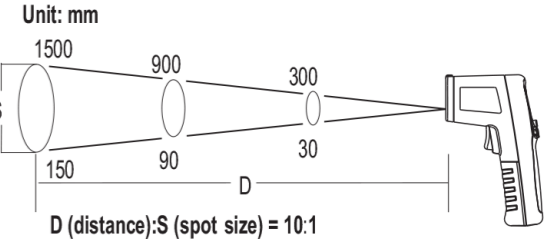
- | | |
|-----------------|-----------------|
| ① Screen | ⑥ Sensor |
| ② Mode key | ⑦ Laser |
| ③ Backlight key | ⑧ Trigger |
| ④ Laser key | ⑨ Battery cover |
| ⑤ °C/°F key | |

Display



- | | |
|---------------------|-------------------|
| ① Laser indicator | ⑧ Min value |
| ② Scan status | ⑨ Max value |
| ③ Emissivity | ⑩ Average value |
| ④ Low battery | ⑪ Primary display |
| ⑤ °F unit | ⑫ Surface scan |
| ⑥ °C unit | ⑬ Hold status |
| ⑦ Secondary display | |

D:S ratio

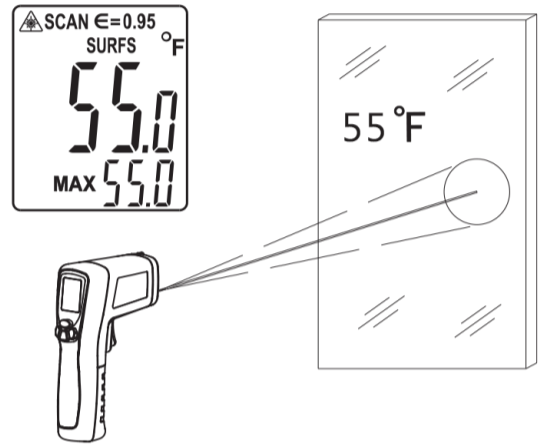


Make sure that the target is larger than the meter's visual spot size. The smaller the target, the closer you should be to it. The relationship between distance and spot size is 10:1

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Operating Thermometer

- To measure temperature, pull and hold trigger. Release the trigger to hold a temperature reading. The meter turns off when no activity is detected for ten seconds.
- Press **M** key to toggle between the MAX, MIN, AVG value.
- Press **L** key to Active the laser.
- Press **☀** key to light on or off the backlight.
- Press **°C/°F** key to switch between °C or °F.

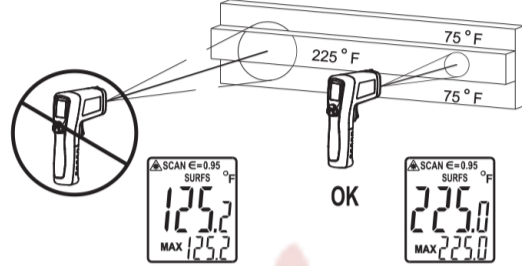


05

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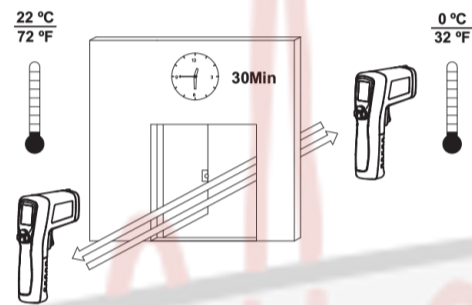
Note1

Make sure that the target is larger than the meter's visual spot size



Note2

When ambient temperature changes quickly, must wait 30 minutes to balance the temperature of the instrument before use.

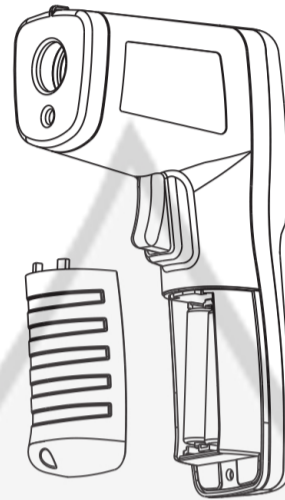


06

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Note3

When the battery voltage is lower, the battery symbol appears, it indicates that we must change the battery.



WARNING
Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (ni-cad, ni-mh, etc) batteries.

07

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Specifications

Temperature range	-20°C~500°C		
Accuracy: Assumes ambient operating temperature (23°C ± 2°C)	-20°C~0°C(±3°C)		
Optical resolution	10:1	Spectral response	8-14 um
Repeatability	1°C	Response time	Approx. 1s
Resolution	0.1°C/0.2°F	Emissivity	0.95
Ambient Operating Range	0~40°C	Relative humidity	10%~90%
CE	Conforms to EN61326, EN61010-1, EN60825-1	Laser	<1mW 630-670nm class2
ETL Intertek	CONFORMS TO UL STD 61010-1, CERTIFIED TO CSA STD C22.2 No.61010-1	Dimensions	148x95x50mm
Power	2x1.5V AAA	Weight	Approx. 160g

08

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Warranty

This product will be free from defects in material and workmanship for eighteen months from the date of purchase. This warranty does not cover disposable batteries or damage for accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling.

DONGGUAN HUAYI MASTECH COMPANY LIMITED
Yuliangwei Industrial Area, Qingxi
Dongguan, Guangdong, China
http://www.p-mastech.com

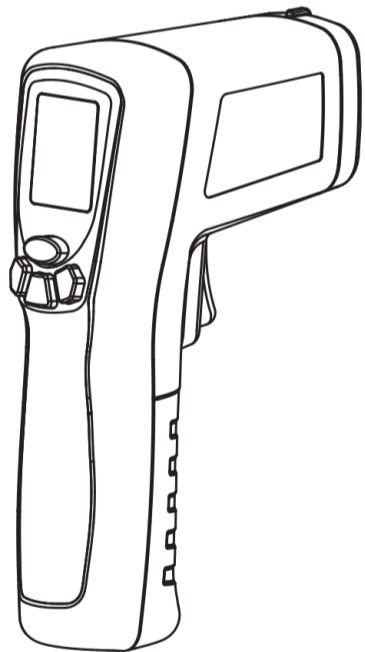


09

00-05-4031

MASTECH® MS6520B

Infrared Thermometer



01

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Description

Noncontact Thermometer detects the infrared ray that an object emits. The instrument focalizes infrared energy of the object onto a sensor through a lens, changes the surface temperature into electric signal, a microcomputer calculates and displays the measurement temperature on the LCD.

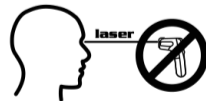
- Single-spot Laser Sighting
- Backlit Display
- Current Temperature Plus MIN, MAX, AVG Temperature Displays
- Preset Emissivity 0.95

Warning

- Please read the following information carefully before using the meter. Protection is impaired if used in a manner not specified in this manual
- Do not clear the meter using solvents.
- Keep the instrument clean, and do not get dust into detecting hole.
- Do not point laser directly at eye or indirectly off reflective surfaces.
- Laser :class 2 <1mW/630-670nm
- Laser radiation is classified according to IEC 60825-1: 2014-05, Safety of laser products – Part 1: Equipment classification and requirements.

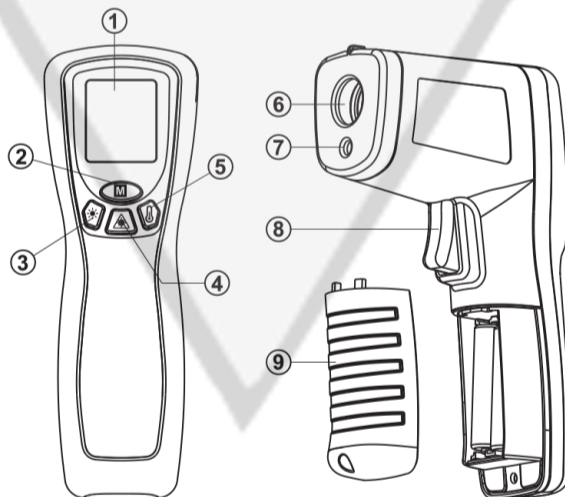
CAUTION
LASER RADIATION - DO NOT STARE INTO BEAM.
AVOID EXPOSURE - LASER RADIATION IS EMITTED FROM THIS APERTURE.
MAX OUTPUT <1mW, WAVELENGTH 630-670nm, CLASS 2 LASER PRODUCT

WARNING
Laser radiation - when open do not stare into beam.



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Panel

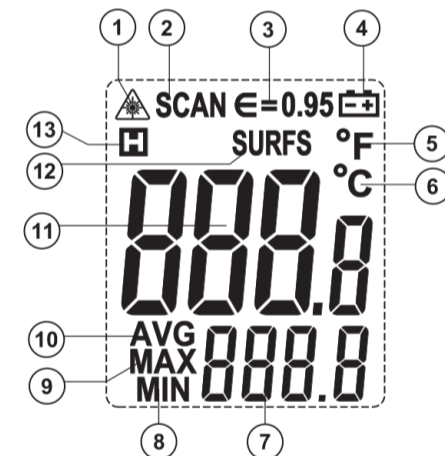


- ① Screen
- ② Mode key
- ③ Backlight key
- ④ Laser key
- ⑤ °C/°F key
- ⑥ Sensor
- ⑦ Laser
- ⑧ Trigger
- ⑨ Battery cover

02

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Display

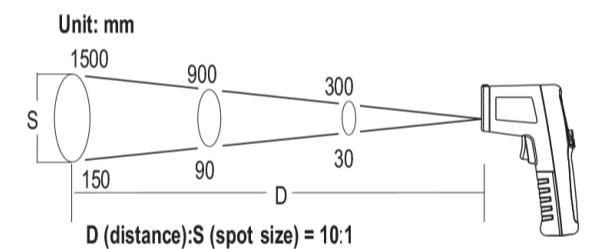


- ① Laser indicator
- ② Scan status
- ③ Emissivity
- ④ Low battery
- ⑤ °F unit
- ⑥ °C unit
- ⑦ Secondary display
- ⑧ Min value
- ⑨ Max value
- ⑩ Average value
- ⑪ Primary display
- ⑫ Surface scan
- ⑬ Hold status

03

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0:5 ratio



Make sure that the target is larger than the meter's visual spot size. The smaller the target, the closer you should be to it. The relationship between distance and spot size is 10:1

04

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