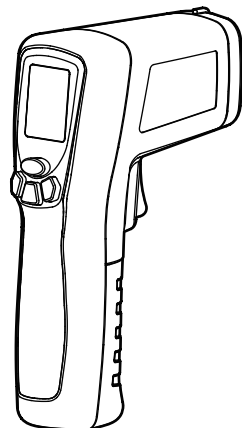




Item # 120 526
Model # MS6520H

USE AND CARE GUIDE

INFRARED THERMOMETER



Questions, problems, missing parts? Before returning to the store, call Home Depot Customer Service
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THANK YOU

We appreciate the trust and confidence you have placed in Commercial Electric through the purchase of this infrared thermometer. We strive to continually create quality products designed to enhance your home. Visit us online to see our full line of products available for your home improvement needs. Thank you for choosing Commercial Electric!

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Safety Information

SAFETY SYMBOLS

Symbol	Definition
	This product CONFORMS TO UL STD 61010-1

PRECAUTIONS

This 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, and then a microcomputer calculates and displays the measurement temperature on the LCD.

Read the information in this manual carefully before using this meter. Protection is impaired if used in a manner not specified in this manual.

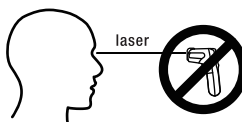
WARNING: Do not point the laser directly at the eyes or indirectly off of reflective surfaces.

WARNING: Do not leave the unit on or near objects of high temperature.

WARNING: Protect this infrared thermometer from EMF (electro-magnetic fields), from arc welders, induction heaters, static electricity and thermal shock caused by large or abrupt ambient temperature changes.

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

WARNING: 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



2

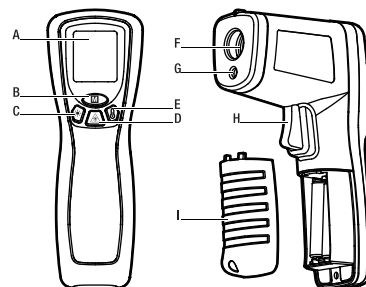
Warranty

WARRANTY: 12 months

For one year from the date of purchase, this product is warranted against any defects in material or workmanship. This warranty is void if this product is ever used while providing commercial services or if rented to another person. Contact the Customer Service Team at 1-877-527-0313 or visit www.homedepot.com.

Pre-Operation

PACKAGE CONTENTS



Part	Description	Quantity
A	Screen	1
B	Mode button	1
C	Backlight button	1
D	Laser button	1
E	°F/°C button	1
F	Sensor	1
G	Laser	1
H	Trigger	1
I	Battery cover	1

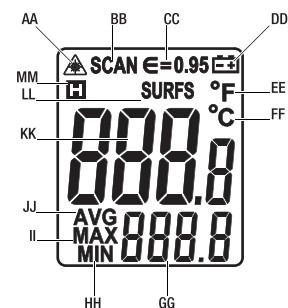
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Please contact 1-877-527-0313 for further assistance.

Pre-Operation(continued)

LCD DISPLAY



Part	Description
AA	Laser indicator
BB	Scan status
CC	Emissivity
DD	Low battery
EE	°F unit
FF	°C unit
GG	Secondary display
HH	Minimum value
II	Maximum value
JJ	Average value
KK	Primary display
LL	Surface scan
MM	Hold status



4

Pre-Operation(continued)

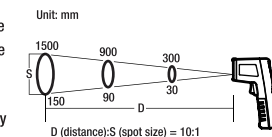
PRODUCT SPECIFICATIONS

Component	Specification
Temperature range	-4°F~572°F(-20°C~300°C)
Accuracy (assumes ambient operating temperature of 23°C [73°F])	For targets at: -4°F~32°F(±5°F),32°F~572°F±(2.0% of rdg +3°F) -20°C~0°C(±3°C),0°C~300°C±(2.0% of rdg +2°C)
Repeatability	1°C
Response time	Approximately 1 second
Spectral response	8~14um
Emissivity	0.95
Ambient operating range	0 to 40°C
Laser	<1mW 630-670nm,class2
Relative humidity	10-90%
Weight/Dimensions	160g; 148x95x50 mm
Power	2x1.5V AAA
Distance to spot size	10:1

Operation

1 Tips for taking an accurate temperature measurement

- When taking measurements, point the thermometer towards the object to be measured and hold the trigger. The object you are measuring should be larger than the spot size calculated by the field of view diagram.



- The smaller the target, the closer you should be to it. The relationship between distance and spot size is 10:1.

5

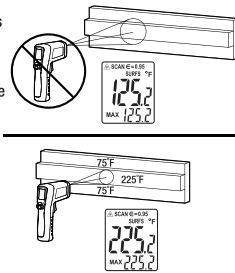
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Operation (continued)

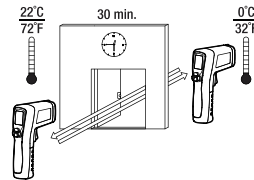
2 Field of view

- Make sure the target is larger than the unit's spot size. The smaller the target, the closer the measuring distance. When accuracy is critical, make sure the target is at least twice as large as the spot size.



3 Rapid changes in temperature

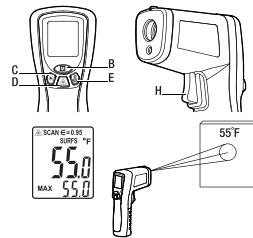
- When ambient temperature changes quickly, wait 30 minutes to balance the temperature of the instrument before use.



Operation (continued)

4 Taking a measurement

- Pull and hold the trigger (H). Release the trigger to hold a temperature reading. The meter turns off when there is no activity detected for 10 seconds.
- Press the Mode button (B) to toggle between maximum, minimum, and average values.
- Press the Laser button (D) to activate the laser.
- Press the Backlight button (C) to turn the backlight on or off.
- Press the Temperature button (E) to switch between Fahrenheit (°F) and Celsius (°C).

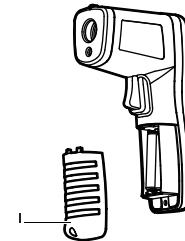


Maintenance

REPLACING 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.

- Use a screwdriver to unscrew the screws on the battery cover (I).
- Use the finger indents on the battery cover (I) to gently pull open the battery cover (I).
- Remove the old battery and replace it with two 1.5V AAA Alkaline batteries.
- Replace the battery cover (I).



Care and Cleaning

CLEANING THE LENS

- Blow off loose particles using clean compressed air. Gently brush any remaining debris away with a camel's hair brush.
- Carefully wipe the surface with a moist cotton swab. The swab may be moistened with water.

NOTE: DO NOT USE SOLVENTS TO CLEAN THE PLASTIC LENS.



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