AVATEMP
THERMOMETERS

Digital Laser Infrared Thermometer

INSTRUCTION SHEET

#914DGIT1000A

APPLICATION

Use an infrared thermometer with non-contact infrared sensor technology to target a safe, accurate, fast, and reliable measurement. The AvaTemp 914DGIT1000A is perfect for measuring surface temperatures in any food service application.

Measurement

Aim with thermometer head and press the trigger. Release the trigger (need to press the button for at least 0.8 seconds) to show the current temperature reading.

OPERATION

Turn on

Slide out the battery compartment located under the trigger. Install the AAA batteries and press the trigger. The thermometer is now turned on and showing the temperature reading automatically on the LCD display.

Turn off

The thermometer will turn off automatically after 30 seconds without any operation.

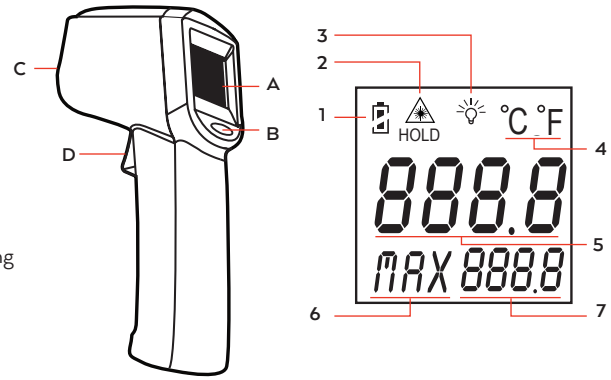
Accessibility

°C / °F button switches the display between Celsius and Fahrenheit.

DIAGRAM

A.	LCD Display
B.	°C / °F Button
C.	Lens & Laser
D.	Trigger

1.	Battery Power Icon
2.	Scan Lock / Hold
3.	Backlight Indicator
4.	°C / °F
5.	Current Temperature Reading
6.	Maximum State
7.	Maximum Temperature



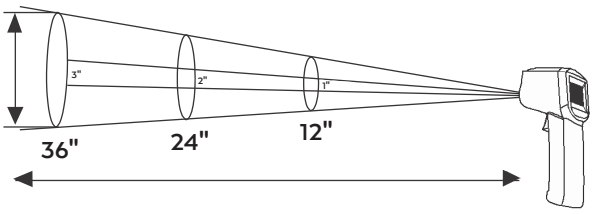
SPECIFICATIONS

TEMPERATURE RANGE	-58 - 968 °F (-50 - 520°C)
TEMPERATURE RESOLUTION	0.2°F (0.1°C)
ACCURACY	± 2%
RESPONSE TIME	1 Seconds

EMISSIVITY	0.95
OPERATING RANGE	32 - 104°F (0–40°C) HUMIDITY ≤ 85%
STORAGE RANGE	14 -140°F (-10–60°C) HUMIDITY ≤ 85%
POWER	2 x AAA (1.5V)

DISTANCE TO SPOT RATIO

As the distance from the thermometer to the object increases, the spot size of the measuring area becomes larger. For example, if D:S=12:1, the testing distance should be 12 times the diameter of the target object.



MAINTENANCE

Lens cleaning

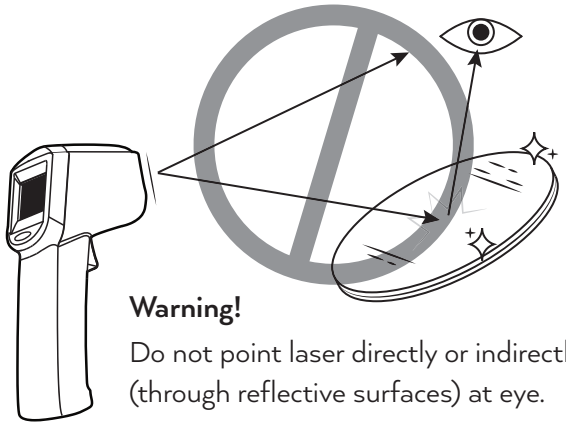
Blow off lose particles using clean compressed air Gently brush remaining debris away with a moist cotton cloth.

Thermometer cleaning

Clean with a damp sponge/cloth and mild soap.

CAUTION

1. Do not use solvent to clean lens.
2. Do not submerge the unit in water.
3. Do not leave the unit on or near objects of high temperature.
4. Avoid electromagnetic fields such as arc welding machines, induction heaters, etc.
5. Thermal shock (caused by large or abrupt ambient temperature changes): allow 30 minutes for unit to stabilize before use.



Warning!

Do not point laser directly or indirectly (through reflective surfaces) at eye.