EN

AX-7600

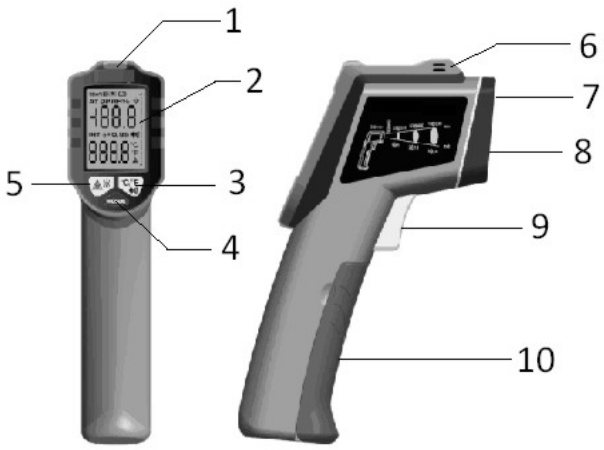
1. Safety instructions

AX-7600 is Class II laser product and accords with EN60825-1 safety standard. Failure to follow the instructions listed below may cause personal injury.

- Read and understand all instructions prior to any operation.
- Do not remove any labels from the tool.
- Do not operate the tool with the presence of flammable/explosive gases.
- Do not operate the laser tool around children or allow children to operate the laser tool, failure to do so will injure children's eyes.
- Do not stare into the laser beam.
- Do not project the laser beam directly into the eyes of others.
- Do not set up the tool at eye level or operate the tool on or near a reflective surface, as the laser could be projected into people's eyes.
- Do not observe the laser beam by using optical tools such as binoculars and magnifying glass.
- To avoid burning danger, remember that the reflective objects make the reading lower than their actual temperature.

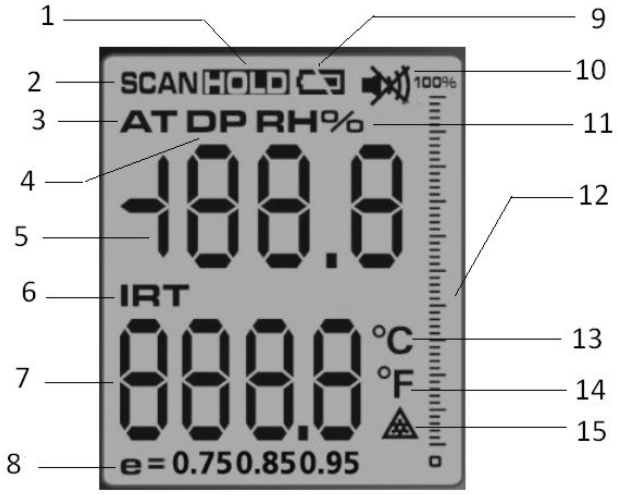
DANGER
Class II Laser Product
Maximum Power Output< 1mW
Wavelength: 630-660nm
Do not stare into beam!
Avoid direct eye exposure!
This tool emits a laser radiation!

2. Product overview



1. Color LED indication for mildew possibility
2. LCD screen
3. Unit switch + mute button
4. Mode switch + Emissivity switch+ power off
5. laser control
6. Environment parameters sensor part
7. Laser window
8. Infrared sensor
9. Measuring Trigger
10. Battery compartment

3. Illustration of display screen



1. Data hold;
2. Infrared scan icon;
3. Ambient temperature measurement mode
4. Dew point measurement mode
5. Environment temperature value
6. Infrared measurement icon
7. Infrared temperature value
8. Emissivity value
9. Low battery indication
10. Mute icon
11. AH mode
12. Mildew possibility progress bar
13. °C
14. °F
15. Laser ON icon

4. Operating Instructions

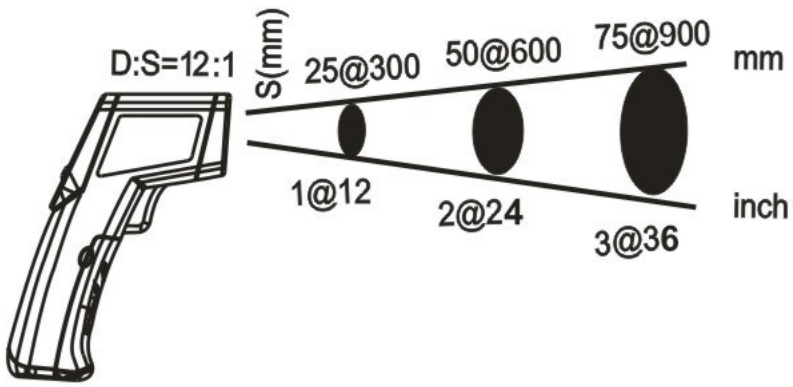
Press the measuring trigger to power on, press again for IRT scan,release it to hold data. Press the MODE button to switch among AT, DP and RH. Hold the trigger then press MODE to adjust the emissivity 0.75, 0.85, 0.95; Long time holding the MODE to power off. Press once to control the laser to power on and off. Press unit switch button to change the unit. Hold this button to change to mute condition The green LED, means low possibility of mildew; Orange indicates there will be mildew possibility. Red LED means the high possibility of mildew. In certain humidity condition, if the target temperature is close or below to the dew point temperature, the possibility of of mildew is greater.

5. Battery Installation

Open the battery compartment, insert one 9V battery (6F22 or 6LR61), close the lid.

6. Temperature measurement

Point the product to target objects, hold the trigger to read the temperature. The distance and target area: the value of D (distance): S (spot) must be considered (as showed), the ratio should be no more than the value of D:S. The field of view must be full of objects. As the distance from the object increases, the spot size of measuring area becomes larger.



Field of view: Be sure the target area is larger than the unit's spot size. The smaller the target get, the closer the measured distance. For precise measuring, make sure the target is at least twice as large as the spot size. The light-emitting device

can emit red light in some condition, the LCD screen's progress bar and buzzer hints to indicate mildew. The following table indicates the conditions of possible mildew.

Surface Temperature(°C)	Environmental Temperature (°C)	Relative Humidity (%)
13.7	20	65
16.5	23	67
13	20	68
16.5	24	60
12	18	65
12	22	55

7. Operation notes

1.No glass, plastic or water vapor .etc should between the product and target object.
2.Keep the product away from the following places, which will damage the devices:
Environment has vapor and dust;
EMF places(Electro-magnetic fields: such as arc welders, induction heaters;
Static environment;
Heat shock (by abrupt temperature changes, allow 30 minutes for unit to stabilize before use.);
High temperature objects;

8. Technical specifications

Product name: Multifunction Infrared Thermometer
Model :AX-7600
Surface temperature measurement range:-50°C~+350°C(-58°F~662°F)
Environment temperature measurement range: -10°C~+40°C(14°F~104°F)
Relative humidity measurement range: 10%~90%
Measurement accuracy:
- For surface temperature; <0°C(<32°F0):±3°C(±5.4°F), >0°C(>32°F): ±2% of reading or ±2°C(±3.6°F) (whichever is greater)
- For environment temperature; ±1.5°C(±2.7°F)
- For relative humidity; <20% : ±4%RH, 20~60% : ±2%RH, >60%: ±3%RH
D:S : 12:1
Emissivity: 0.75, 0.85, 0.95 adjustable

Laser grade: Class II
Laser type: 630~660nm,<1mW
Power supply: 9V battery
Continuous operating life time for battery:>6 hours
Auto power off:1 minutes inactivity
Operating temperature range: -10°C~+40°C(14°F~104°F)
Operating humidity: 0~95%RH non-condensing
Storage temperature: -20°C~70°C(-4°F~158°F),≤85%(w/o battery)
Product dimension: 170mm×135mm×50mm
Product weight: About 168g (w/o battery)