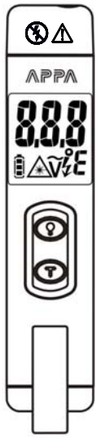
APPA IT-1
Infrared
Thermometer

Instruction Card



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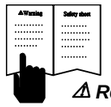
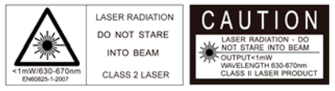


⚠ Read First

⚠ Safety Information

- To ensure safe operation and service of the Tester, follow these instructions.
- Failure to observe warnings can result in severe **Injury**.
- Do not stare into laser beam.
- Do not point the laser beam in some body's eye.
- The Volt Sense function can only test insulated wire. Testing high voltage wire should keep a distance of 20mm, or it might cause danger.
- Use the tester only as specified in the instruction card, or the protection by the tester might be impaired.
- Do not use to sense wire voltage over 600V.



Symbols as marked on the Meter and Instruction Card

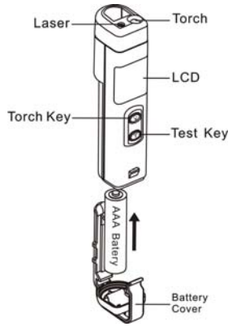
	Battery
CE	Conforms to EU directives
	Do not discard this product or throw away
⚠	See Instruction Card
	Do not apply around or remove from HAZARDOUS LIVE conductors

CE certification

This meter certified to the following standards :

- EN 61326-1 Electromagnetic Emissions and Susceptibility
- EN 61010-1 General Safety
- EN 60825-1 Laser Safety

Meter Description



LCD Description

Laser

Laser light point out the measuring direction during the test.
Turn the laser on/off can be press the key first and then press the key.

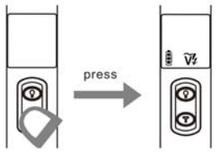
Torch

Press the key, the torch will light up.

℃ / ℉

Change the temperature unit ℃ / ℉ can be press the key and key 2 seconds. at the same time.

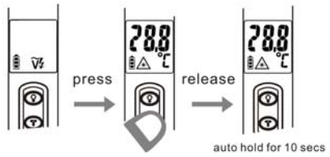
Power On / Off



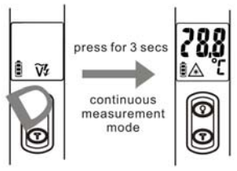
Auto Power Off : 3 minutes.

Temperature Measurement

When powering on, press the key, the tester will show the temperature of measured target. Then release the key, the LCD will hold the reading for 10 seconds.

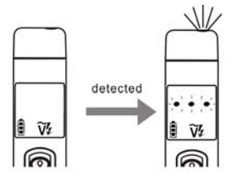


When powering on, press the key for 3 seconds, the tester will turn into the *IR temperature continuous measurement mode.*

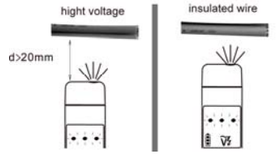


Volt Sense

The Volt Sense function detects automatically when powering on, and the LCD displays indicator . *The number of dashes displaying on the LCD indicates the electric field intensity*. The higher electric field is sensed, the more "▪" symbol displays on the LCD.
While electric field has been sensed, the LCD flashes three dashes and flash light flashed.

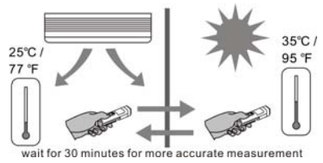


The Volt Sense function can only test Insulated wire. Testing high voltage wire should keep a distance of 20mm, or it might cause danger.

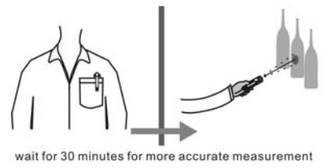


Detecting

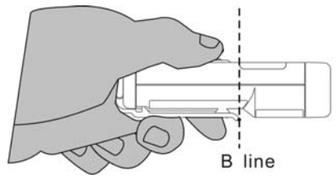
For surrounding temperature changes, specified accuracy applies after 30 minutes.



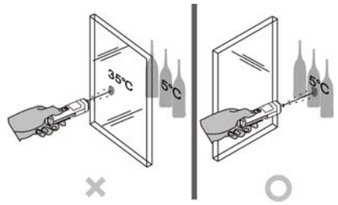
Please wait for 30 minutes if the meter is taken out from user's pocket for more accurate measurement.



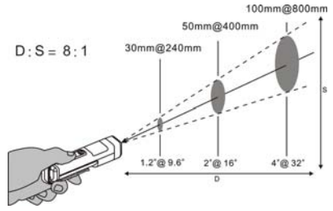
Please do not put the fingers on the housing for long period of time and cross the "B line" to prevent from thermo effect interference of measuring accuracy.



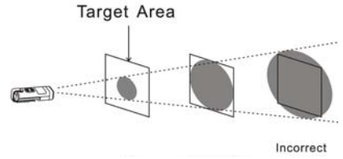
Remove the barrier between the tester and the target even it is transparent.



Normally use the tester at nearly about 30cm to get more accurate measurement. The tester is calibrated at 30 cm. *To get the most accurate measurement, please leave the target at 30 cm.*
At longer distances, the target area shall be larger than the distance divided by 8.



1. The measure area cannot be bigger than target area, or the reading will be incorrect!!
2. The minimum measurement area is 3.75 cm (1.5") diameter.

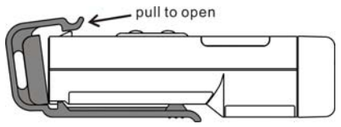


Maintenance

Do not attempt to repair this Tester.
It contains no user-serviceable parts.
Repair or serving should only be performed by qualified personal.

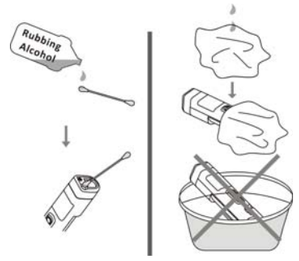
Battery Replacement

The tester displays Battery Capacity when powering up. *Please replace the battery when "Battery indicator" is flashing.* Open the back cover to replace the battery.



Clearing

Periodically wipe the case with a dry cloth and detergent. Do not use abrasives or solvents.
Do not immerse Tester in the water.
Periodically wipe the lens with a cotton swabs and rubbing alcohol. Do not use abrasives or any other solvents.



Specifications

Temperature	-30°C ~ 500°C (-22°F ~ 932°F)
Accuracy at 23°C ± 2°C < 80% RH	-30°C ~ 0°C (-22°F ~ 32°F) : ± 3°C (± 6°F) 1°C ~ 10°C (34°F ~ 50°F) : ± 1.5°C (± 3°F) 11°C ~ 40°C (52°F ~ 104°F) : ± 1°C (± 2°F) 41°C ~ 500°C (106°F ~ 932°F) : ±1.5°C (± 3°F) or ± 1.5% of ding, whichever is greater.
Display	0.2℃ (0.5℉)
Response Time	0.5 s
Spectral Response	6.5um ～ 18um
Emissivity	E=0.95
D:S	8:1(calculated at 80% energy)
Repeatability	±1℃ or ±0.5% of reading, whichever is greater.
Display Hold	10s
Weight / Dimension	40g 20mm(W)x30mm(D)x100mm(L)
Battery Life	150hrs (with laser)
Power	1.5 V AAA alkaline battery
Non-Contact Voltage	60VAC ~ 600VAC
Storage Temperature	-20℃～ 60℃ (without battery)

Limited warranty

This Meter is warranted to the original purchaser against defects in material and workmanship *for two years from the date of purchase.* During this warranty period, manufacturer will, at its option, replace or repair the defective unit, subject to verification of the defect or malfunction. *This warranty does not cover disposable batteries, or damage from abuse, neglect, accident, unauthorized repair, alteration, contamination, or abnormal conditions of operation or handling.*
Any implied warranties arising out of the sale of this product, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited to the above. The manufacturer shall not be liable for loss of use of the instrument or other incidental or consequential damages, expenses, or economic loss, or for any claim or claims for such damage, expense or economic loss. Some states or countries laws vary, so the above limitations or exclusions may not apply to you.