



BIG
L.K. SYSTEMS LTD

AI Temperature

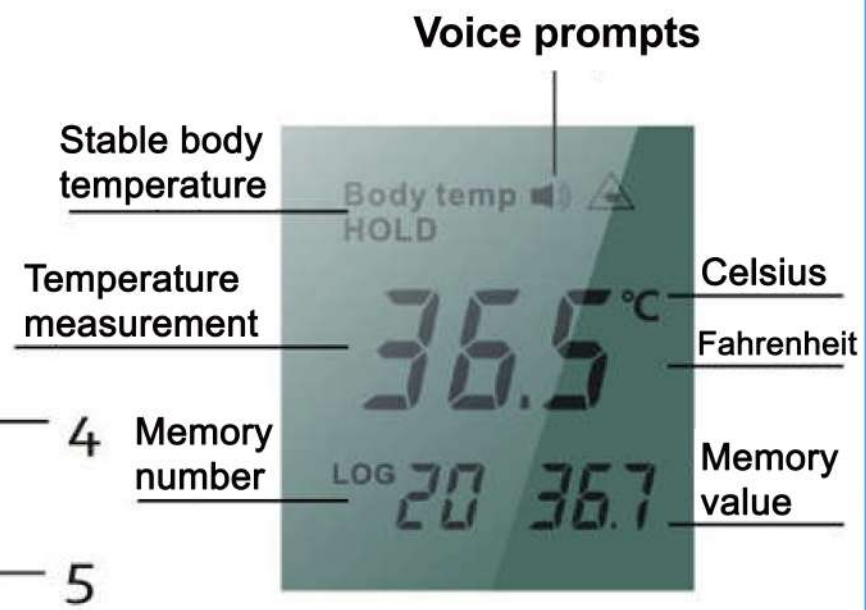
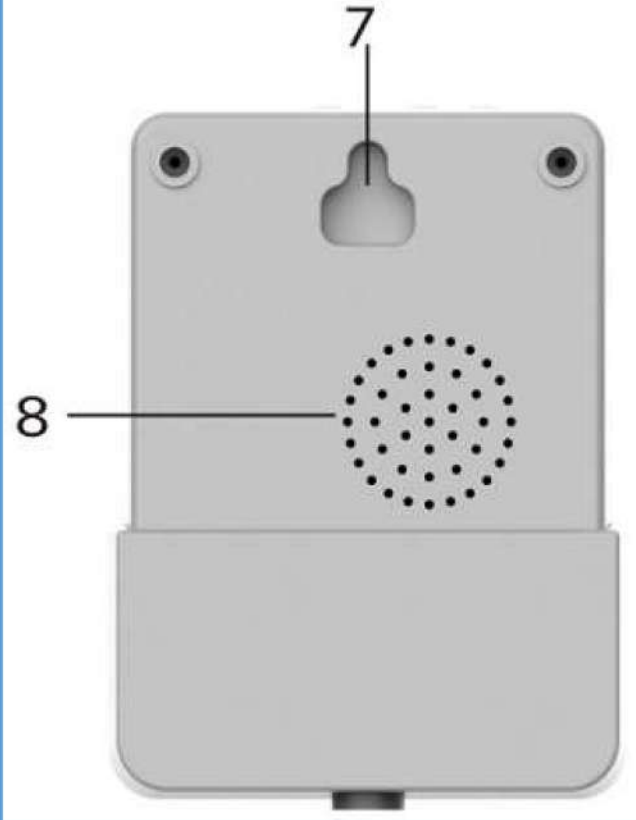
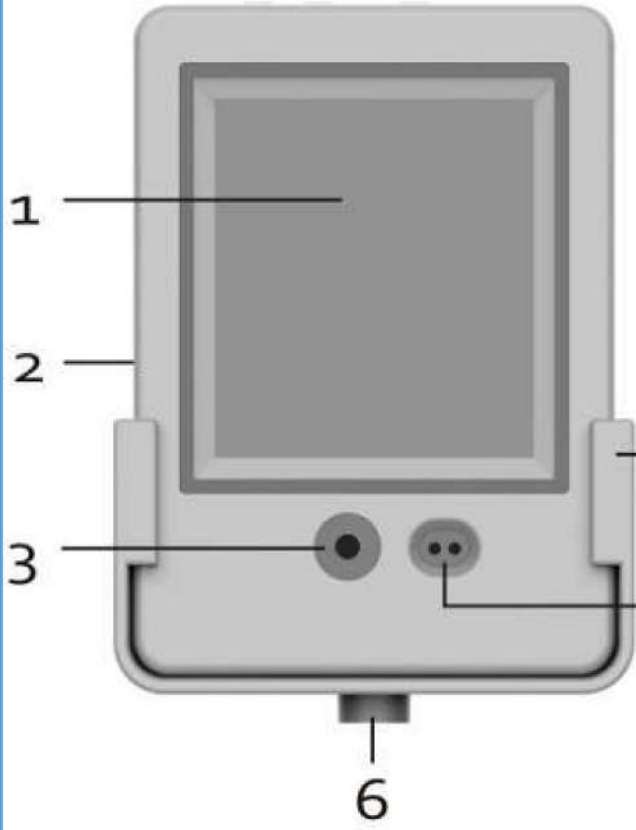
Data Sheet
Model : RL-A8

Introduction

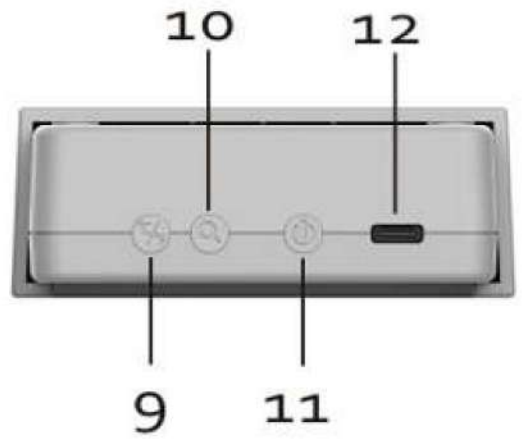
Thank you for choosing our company's voice thermometer, this product is a new type of AI voice thermometer, suitable for schools, offices, buses, vehicles, supermarkets, parking lots and other environments. There are two installation methods: wall-mounted and bracket, which saves people from taking a close-up to measure body temperature and reduces the risk of cross infection. It has easy to use, high measurement accuracy, temperature measurement range and other features.



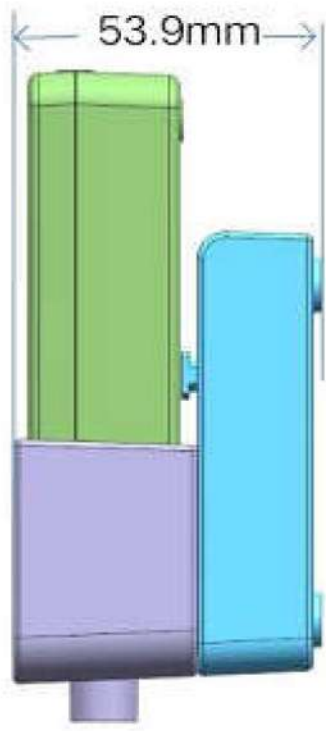
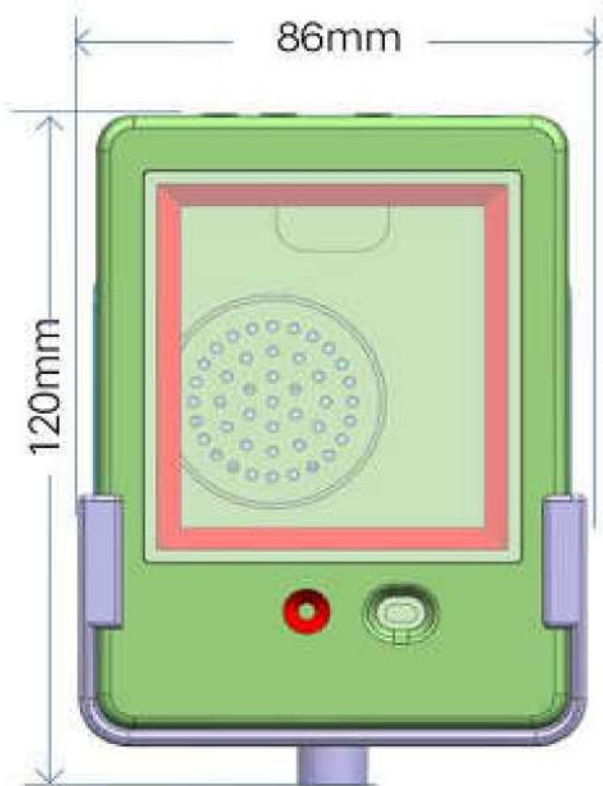
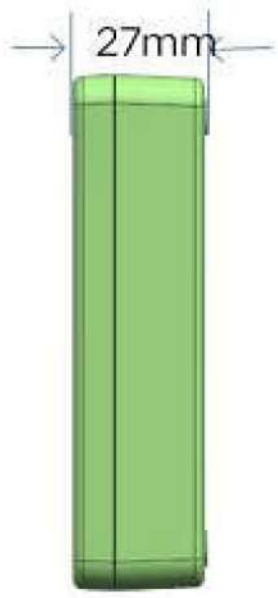
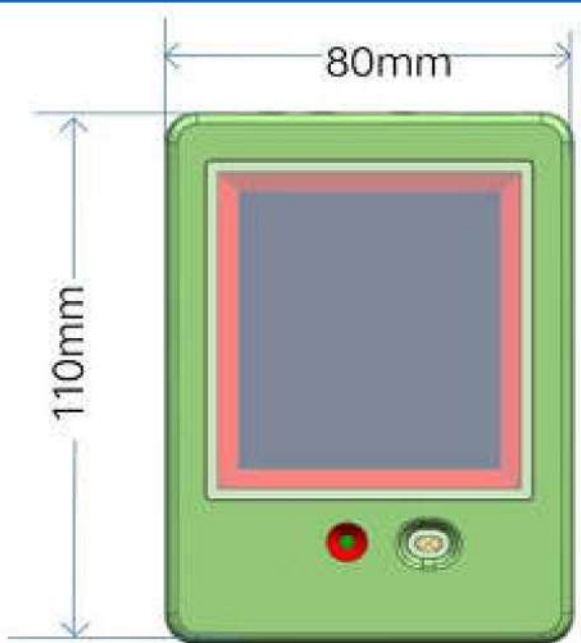
Appearance



- 1. Display area
- 2. Device
- 3. Infrared probe
- 4. Mounting back cover of the bracket
- 5. Light sensor
- 6. Tripod contact
- 7. Wall mounting bracket opening
- 8. Speaker
- 9. Celsius / Fahrenheit conversion key
- 10. Power switch button
- 11. Memory query key
- 12. Power input



Dimension





AI thermometer



APPLICATION SCENARIOS



TECHNICAL PARAMETERS

CPU	ST	Speaker	2W
Object distance	1.5CM	Detect time	2 seconds
Sensor type	Infrared sensor	Precision	±0.3°C
Detect range	32 to 42.9°C	Detect distance	8 - 15CM , (Adjustable)
Backlight color	Red/Green/Orange	Power supply	Type-C 5V/1A
Disp language	EN/ Multi-languages	Standby power	50 MW

Reliability And Quality Control

1. Thermal Cyclic test:

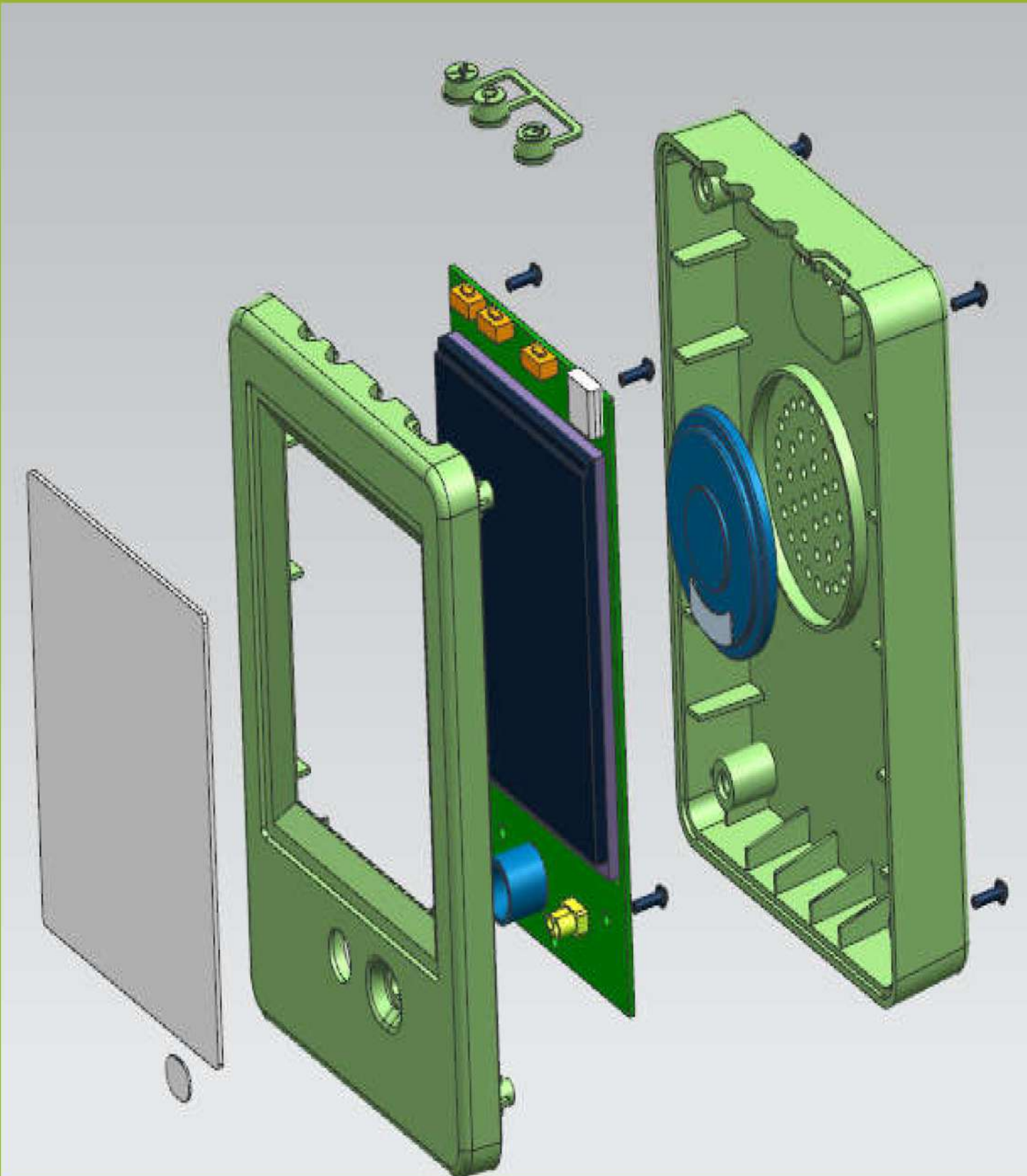
Test chamber consists of separate compartments; one is set at -10°C with RH 0% and the other set at $+60^{\circ}\text{C}$ with RH 80%

Each temperature cycle shall consist of a 1 hour exposure at -10°C followed by an hour exposure at $+60^{\circ}\text{C}$ with a 5 seconds maximum transition time between temperatures. Start cycle testing with the high temperature and conclude with the cold temperature. Test samples are power off. The test duration is for 4 cycles and must end in the hot cycle. If the sample surface has no cracks and no affect in specification, it passes the thermal cyclic test.

2. Drop Test:

A free-fall drop from a height of 1m to concrete for all 6 planes for unit drop and carton drop will be based on the weight, with one corner, 3 edges and 6 surfaces drops. Units are to be in as normal an operational configuration as possible prior to drop. Functional and electrical performance specifications must be met and no mechanical defects such as cracking, chipping, separation, bent or broken contacts, etc. are to occur.

Explode drawing



Chayon Computers
All Trade Group