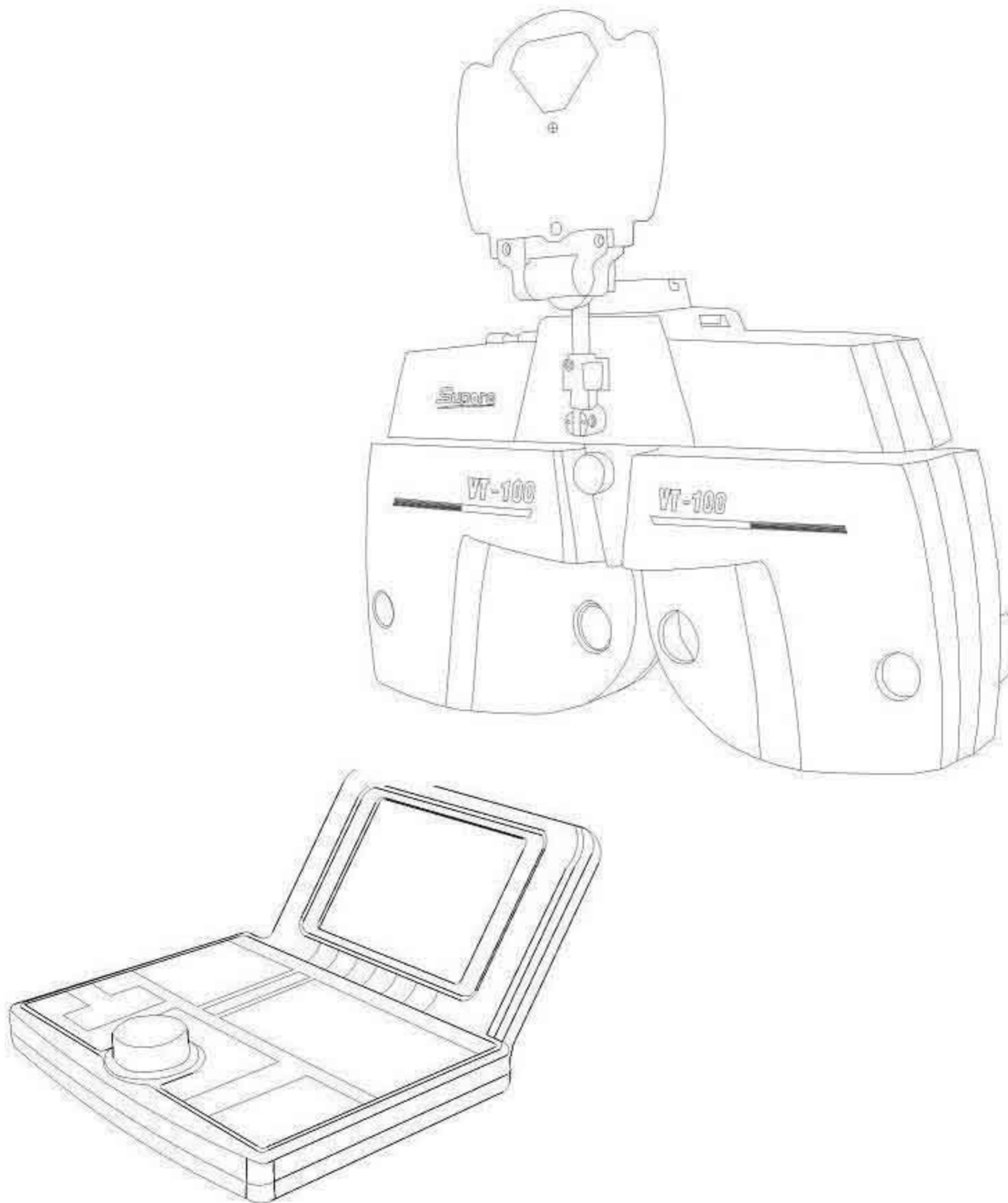


Auto View Tester

Operation Manual



Contents (1)

1 .	Precaution	P1
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1). Pay attention to the following when in use

Notes:

- Never disassemble or touch the inside of this instrument because it may result in electric shock or machine damage.
- Only operate the instrument with the power supply indicated on the rating plate. Otherwise, it may result in fire, electric shock or machine damage.
- Don't put the power cable under the machine. Otherwise, the surface of the cable will be damaged so that it will result in short circuit, fire, or electric shock.
- Renew it if the power cable is damaged, avoiding fire or electric shock.

2). Pay attention to the following when in store

Notes:

- Don't put the machine at a wet place, or a place with poisonous, corrupt gas and liquids.
- Don't expose the machine directly in the light, and keep it in a normal temperature and humidity.
- Notes: when the temperature is great and changing in a rapid speed, the machine will not work as usual. Please put the machine in such a temperature for 3 to 10 hours ,then it will work well.

3). Pay attention to the following when carrying

Notes:

- Don't pull the power cable too hard , or that will cause injury or machine damage.
- When carrying the machine away, please not touch the display screen. Just support the bottom of it with two hands, or injury or machine damage will be caused.

4). Pay attention to the following when installing

Notes:

- Don't put the machine at a wet place. Electric shock or machine damage will be caused if water runs in to it .
- Make sure the machine is firm and stable after installation. Otherwise, electric shock or machine damage will be caused.

Notes:

- Don't put the machine nearby a fan and a air conditioner, avoiding dust being blowing onto the lens to spoil the accuracy of measuring.
- Don't use this machine in a hot, wet, dusty condition, which will bring harmful effect to it.

5. Pay attention to the following when connecting

Notes:

- Don't plug too many plugs in a power outlet, and that will cause fire.
- Always plug the cable into a grounded power outlet. Make sure the safety.

6. Pay attention to the following after use

Notes:

- when not in use, please turn off the power switch, and cover with dustproof. Along lasting being electrified will shorten the machine's life. And a long time uncovering with dustproof will impact the accuracy of measuring.
- when not in use for a long period, please disconnect the power cable in case of a fire.
- if the machine is proved inferior and need to be examined and repaired. Please contact our company or our agent. Don't disassemble the machine yourself.
- Do not scrape the protecting lens. The trace on the lens will decrease the accuracy and validity of measuring.

7. Pay attention to the following when there is an accident.

Notes:

- If the liquid crystal screen breaks, you can beat it in into pieces. And clean it with acetone, then burn it. If you have touched the broken liquid crystal, please wash you hands as soon as possible.

2. main technical parameters

1). Range of measuring

Spherical lens: $-29.00D$ to $+26.75D$

Cylinder lens: 0 to $-9.75D$

Cylinder lens axis: 0° to 180°

Prism: 0 to 20Δ

Prism: 0° to 180°

Cross cylinder : $+/-0.25D$, $+/-0.50D$

Cover

Pinhole: $\Phi 1mm$

Maddox rod: R level, L vertical

Red and green piece: R red, L green

Polar piece: R 135° , L 45°

Fixed cross cylinder lens: $+/-0.50D$

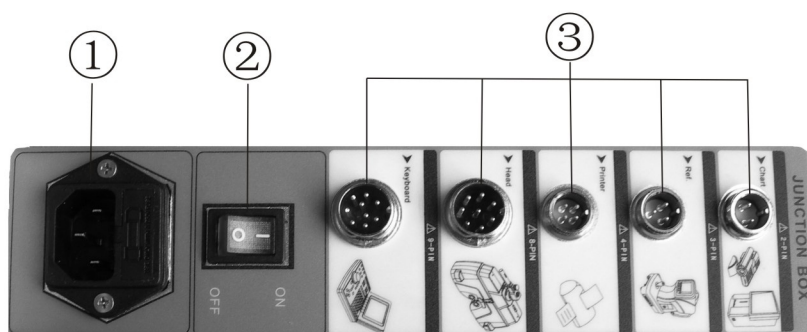
2). Maximam power: $140W$

3). Weight: $8Kg$

4) Dimension: (long \times wide \times hight) $585mm \times 430mm \times 575mm$

3. Parts and their function

1) . Connecting box



① General power outlet;

② General power switch;

③ Conncting plug

—2 pin: connecting with auto chart projector

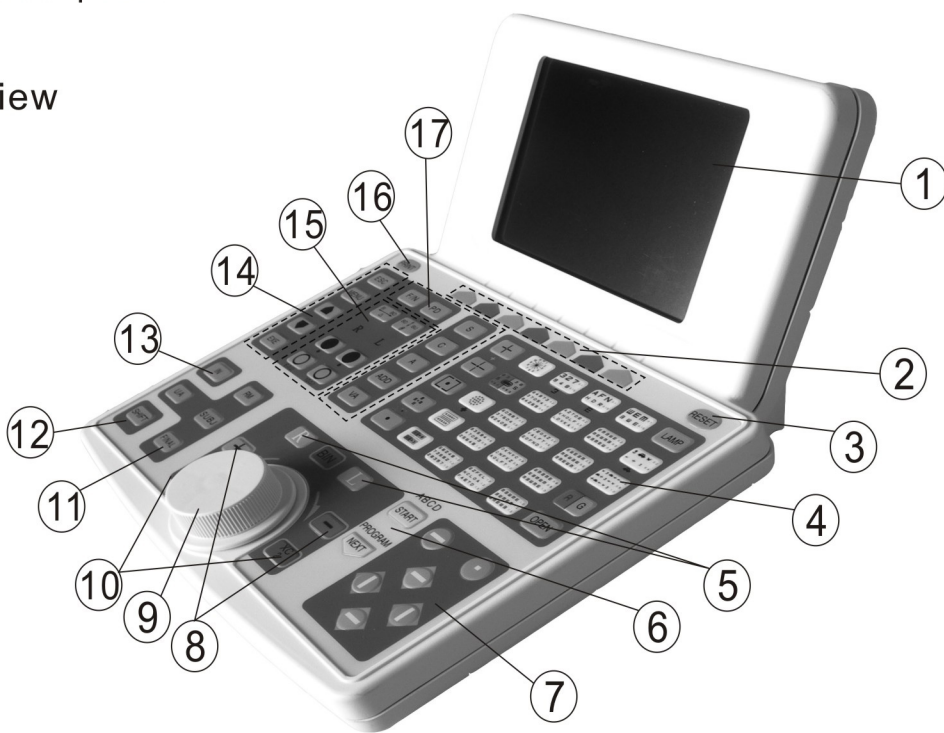
—3 pin: connecting with refractometer;

—4 pin: connecting with the assosary printer;

—8 pin: connecting with the main engine;

2) .operation panel

Front view



1. LCD screen

3. Reset key

5. Left or right eye option

7. Sight mark cover

9. Continous change

11. Data input and choose

13. RM window data converter

15. prism auxiliary lens

17. Data choose

2. Function key

4. Sight mark keys

6. Program controller

8. Increase or decrease

10. Cross cylinder lens

12. Shift key

14. Manu & executive key

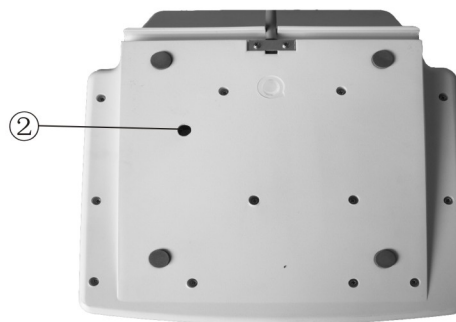
16. Print key

Back view



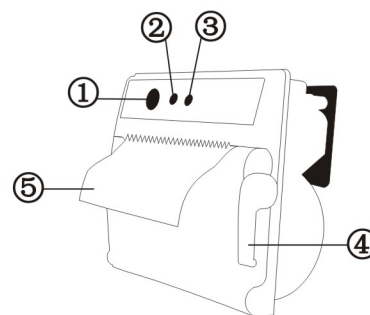
① Connect power box

Bottom view



②contrast control potentiometer: on the bottom side, used for control the contrast of display.

3. Printer



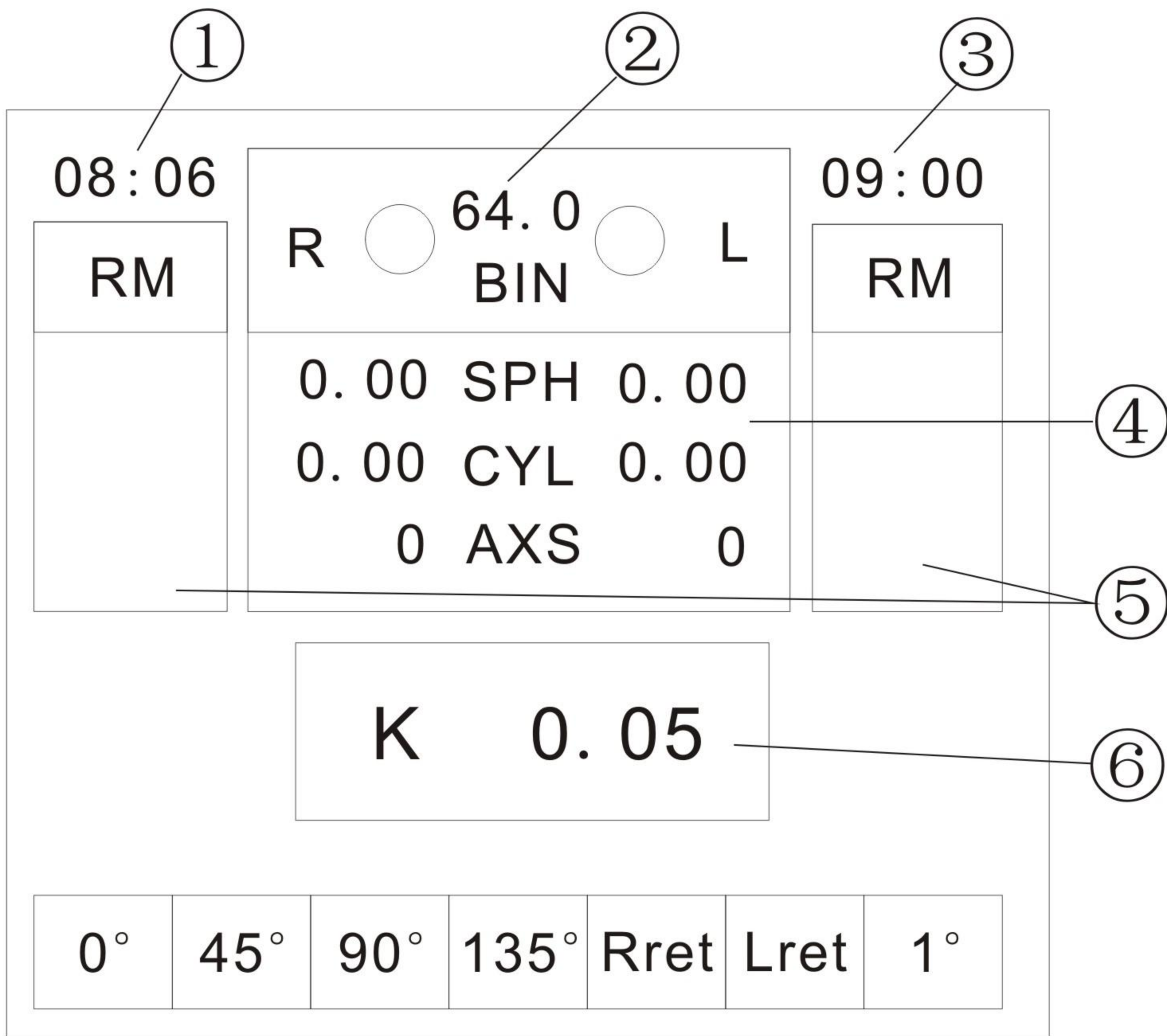
①paper-out key

②paper-lack indecator

③power indecator

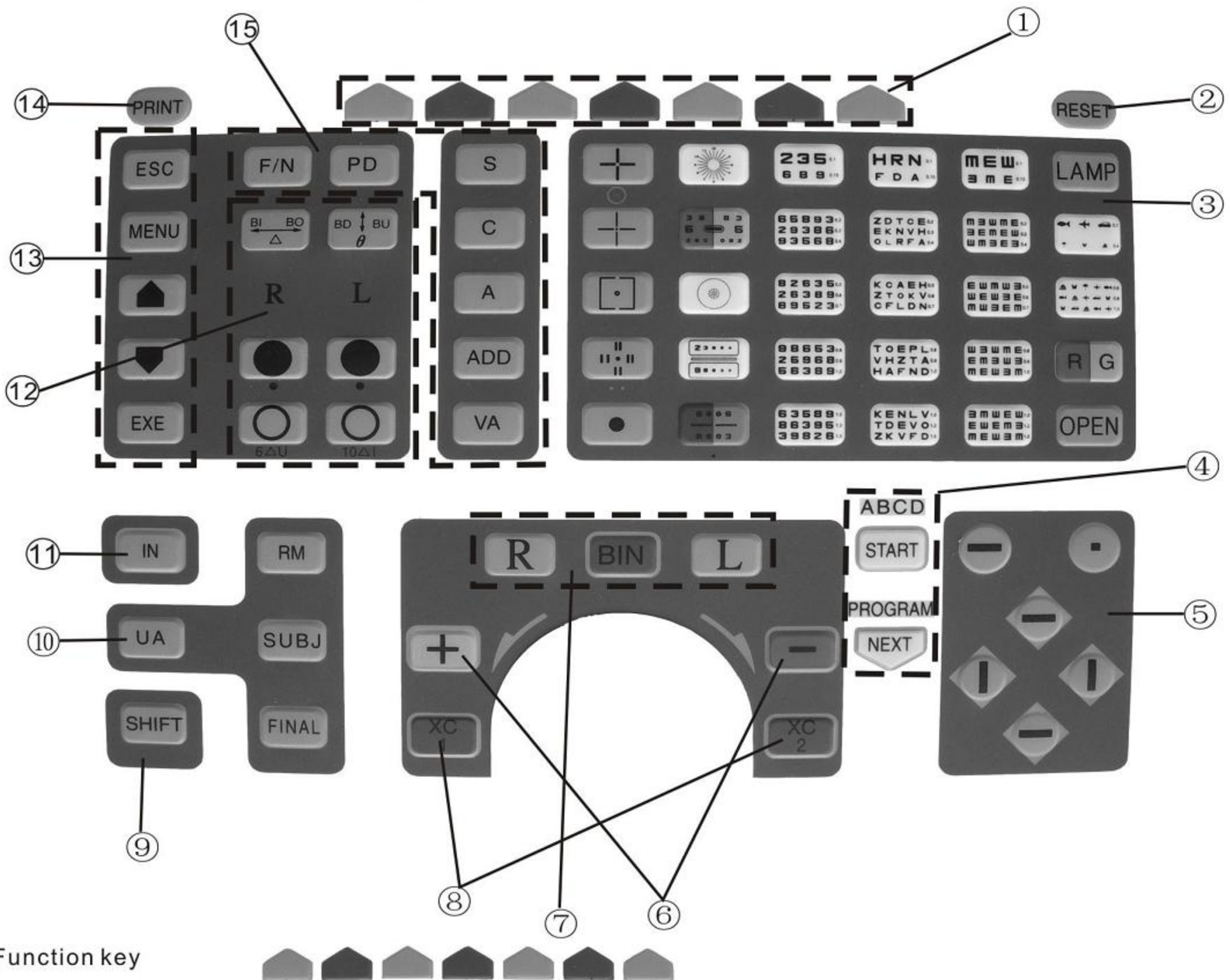
④paper- in bar

⑤thermal print paper



- ① Date
- ② Pupil distance
- ③ Time
- ④ Display reference about SPH、CYL、AXS, etc.
- ⑤ Display reference about refractometer
- ⑥ Display sight marks of projector

5. Introduction of operation panel



1. Function key

--to carry out all functions displayed on the screen.

2. Reset:

--to clear the data displayed, then the value of PD will be 64 ;

3. Test keys of projector

--to choose a sight mark;

4. The procedure choice and administer key

--START to start the procedure

--SHIFT+START to open the procedure list

--NEXT: continue, SHIFT+NEXT go back to last step

5. The choice key of projector tests

--Lever or vertical moving to show the direction of icon.

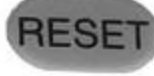
--Single moving icon for four directions

6. increase or decrease:

--Increase or decrease by the minimum step



-- Used together with SHIFT to increase or decrease by a big step which is prior setted.



1. Function key



--to carry out all functions displayed on the screen.

2. Reset:

--to clear the data displayed, then the value of PD will be 64 ;

3: Sight mark keys of projector



--to choose a sight mark;

4.the procedure choice and administer key

--START to start the procedure



--SHIFT+START to open the procedure list

--NEXT: continue, SHIFT+NEXT go back to last step

5.the choice key of projector sight mark

--Lever or vertical moving to show the direction of icon.

--Single moving icon for four directions

6. increase or decrease:

--Increase or decrease by the minimum step

--Used together with SHIFT to increase or decrease by a big step which is prior setted.



7. Left eye or right eye option

--R is displayed for the right eye testing, and you can just input the right eye's parameters.

---L is displayed for the left eye testing, and you can just input the left eye's parameters

--Bin is displayed for both of the left and right are available.

8.Cross cylinder lens option

--To choose the direction of back cross cylinder lens in testing;

9.Shift



--Together Used with other keys to carry out a function

10.dat a input and selection

-- RM indicates the testing parameter of refractometer;

-- UA to test naked eyes;

-- SUBJ to get corrected parameter;

-- FINAL to get the final result of eyesight;

11.RM window data converting:

--To convert the content displayed on RM window for the real refraction lens.

12. Prism auxiliary lens:

-- BI BO level prism value;

-- BD BU vertical prism value;

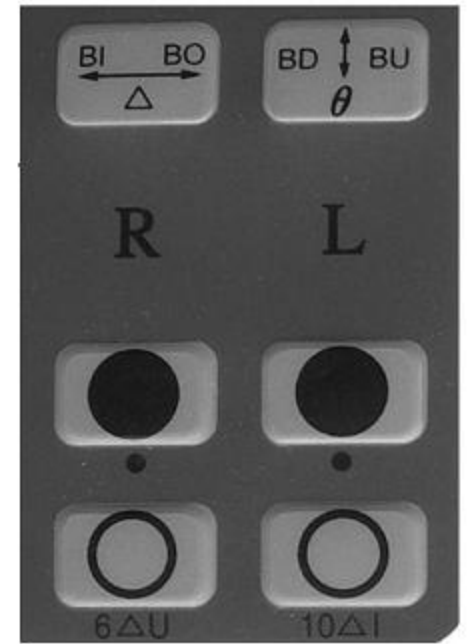
-- (R) to cover the right eye;

SHIFT + (R), insert a Φ 1mm pinhole to cover the right eye.

-- (L) to cover the left eye;

SHIFT+ (L), insert

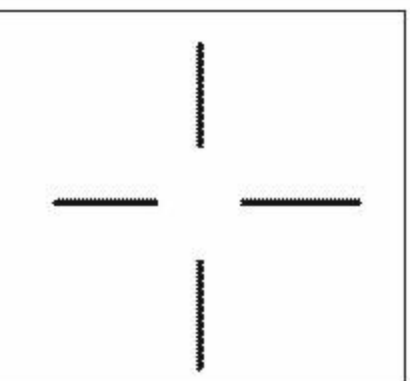
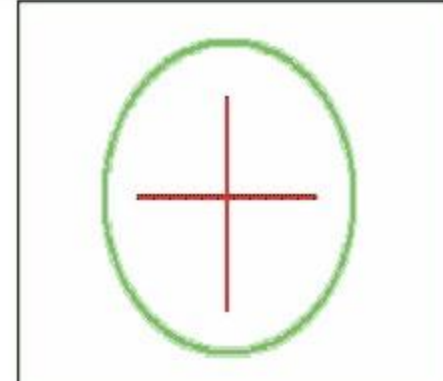
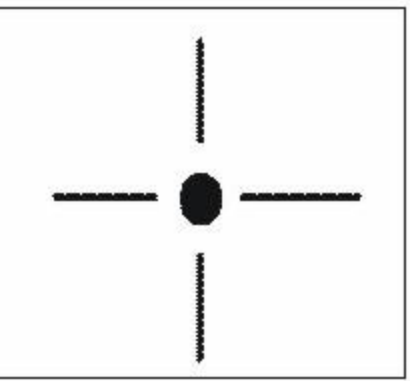
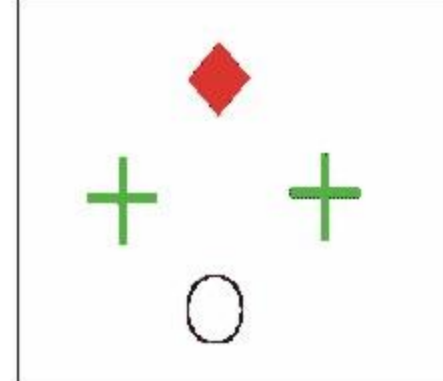
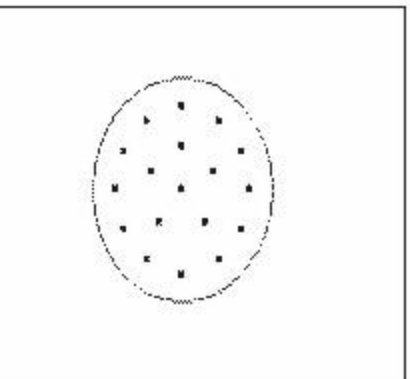
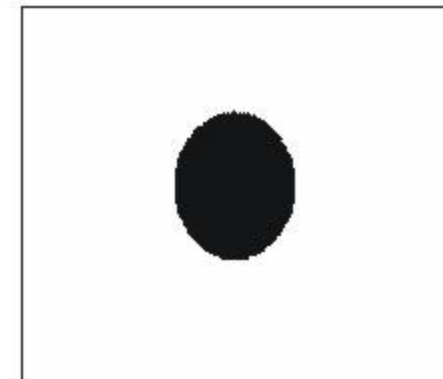
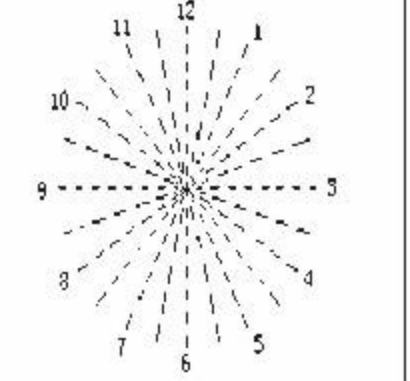
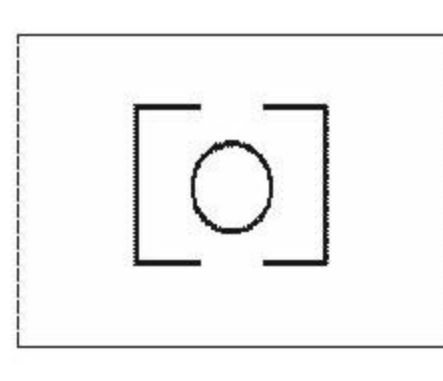
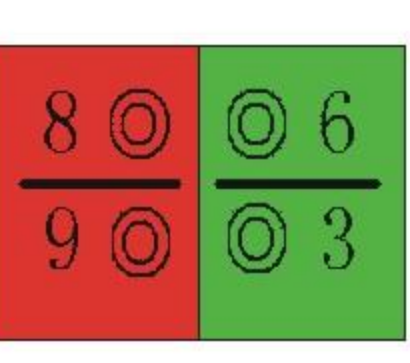
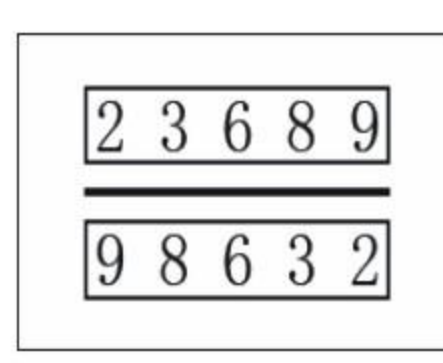
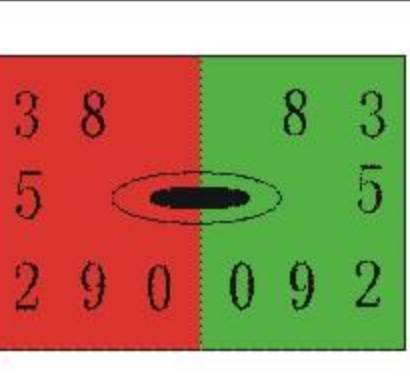
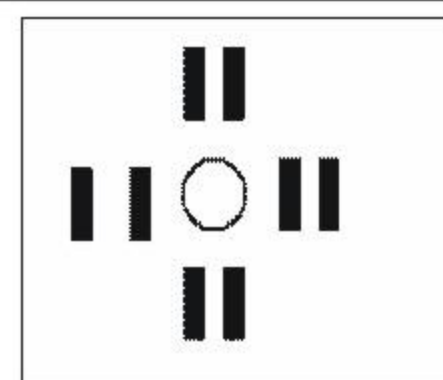
a Φ 1mm pinhole cover to cover the right eye.;



- — (6 Δ U) to open right eye testing window ;
- — , insert to right eye, 6 Δ , base
- up;
- — (10 Δ I) to open left eye testing window;
- — , insert to left eye, 10 Δ , base
- in;
- 13. select and executive
- — quit;
- — open or close
- — select next or previous items;



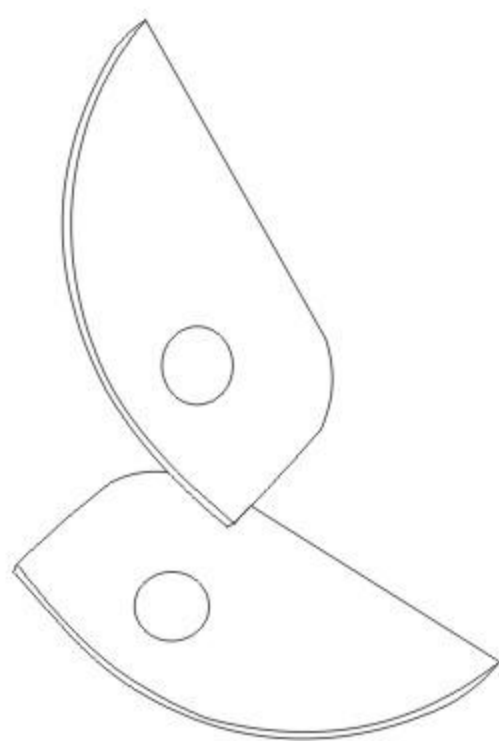
6..Some special tests

Test	Name and function	Test	Name and function
	<p>Polarized cross test: Analysis simultaneous perception and heterophoria</p>		<p>Cross ring red-green test: Analysis simultaneous perception and heterophoria</p>
	<p>Reticle fixation test: Analysis binocular fixation disparity.</p>		<p>Worth four dots red-green test: Analysis of binocular simultaneous perception and concentrating function</p>
	<p>Dots test: Analysis of the degree and axis astigmatic</p>		<p>Maddox rod test Analysis of heterophoria</p>
	<p>Astigmatic dials test: Analysis of the degree and axis astigmatic</p>		<p>Vertical coincidence test: Analysis of binocular simultaneous perception and vertical heterophoria</p>
	<p>Polarized R and G test: Analysis the balance of binocular trial lens</p>		<p>Binocular balance test: Analysis the balance of binocular trial lens</p>
	<p>Red-green test: Analysis the degree after wearing sphere lens</p>		<p>Stereo test: Analysis stereoscopic vision and heterophoria</p>

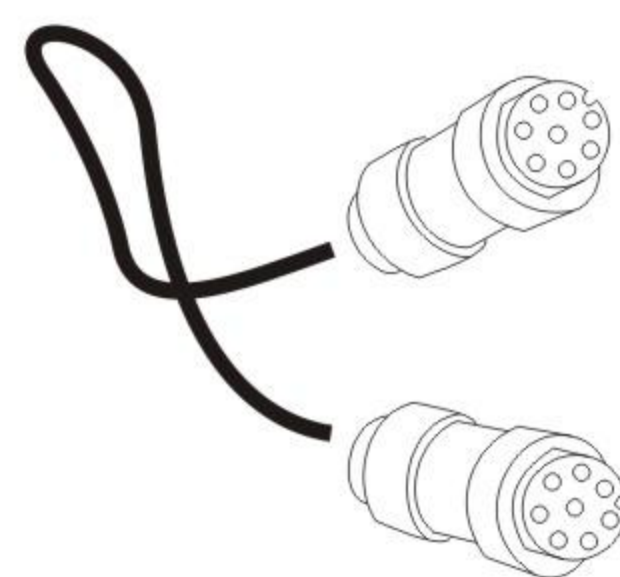
7. Accessories

1). Main frame accessories

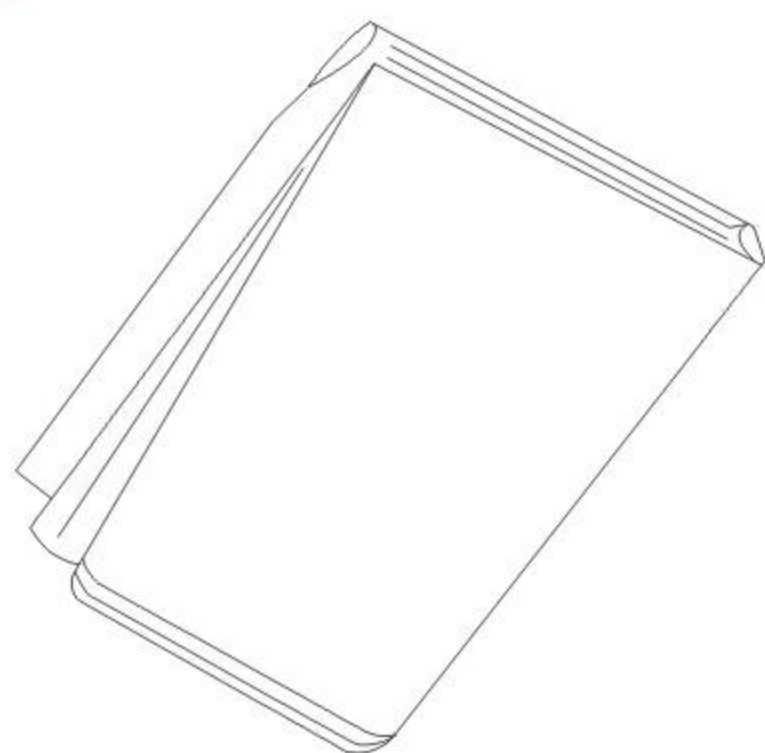
①



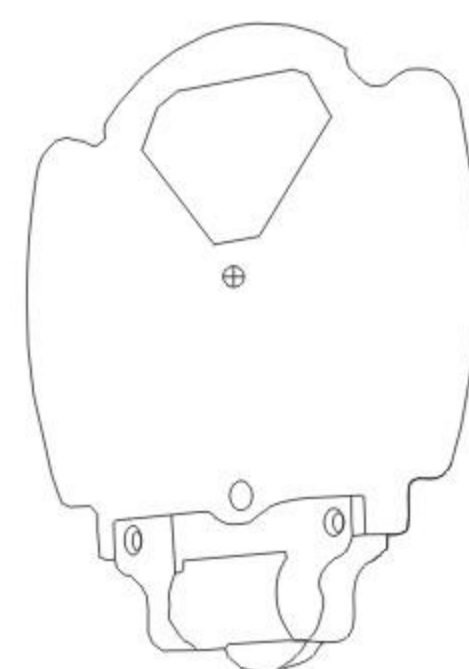
②



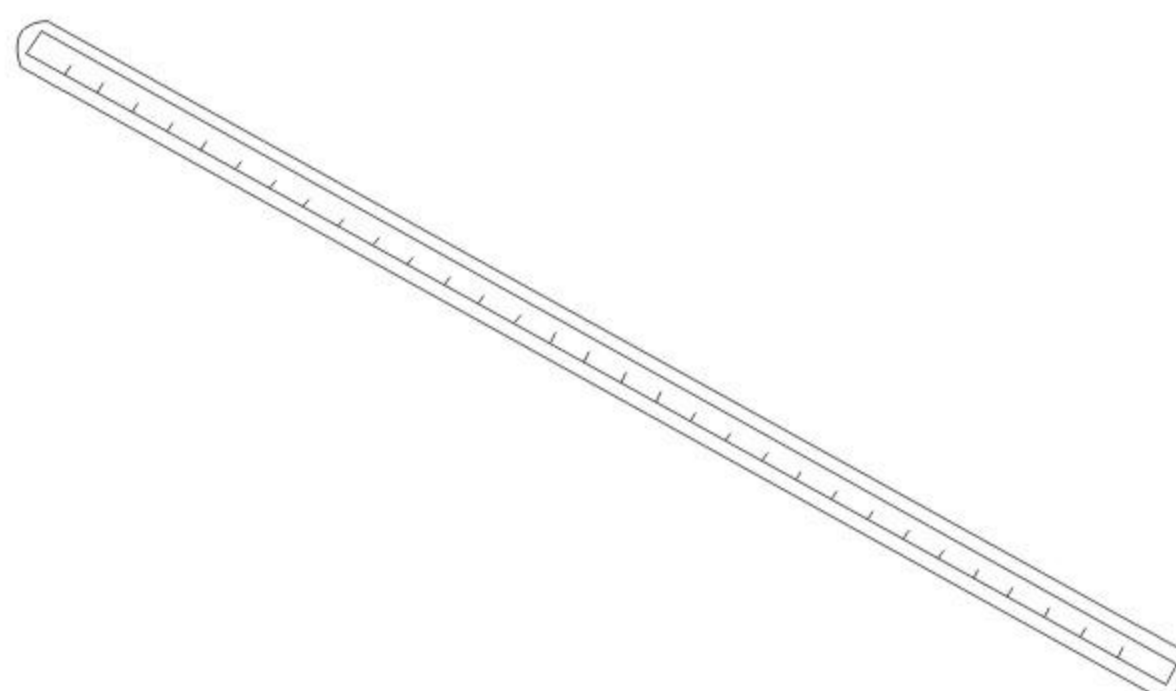
③



④



⑤



① Panel

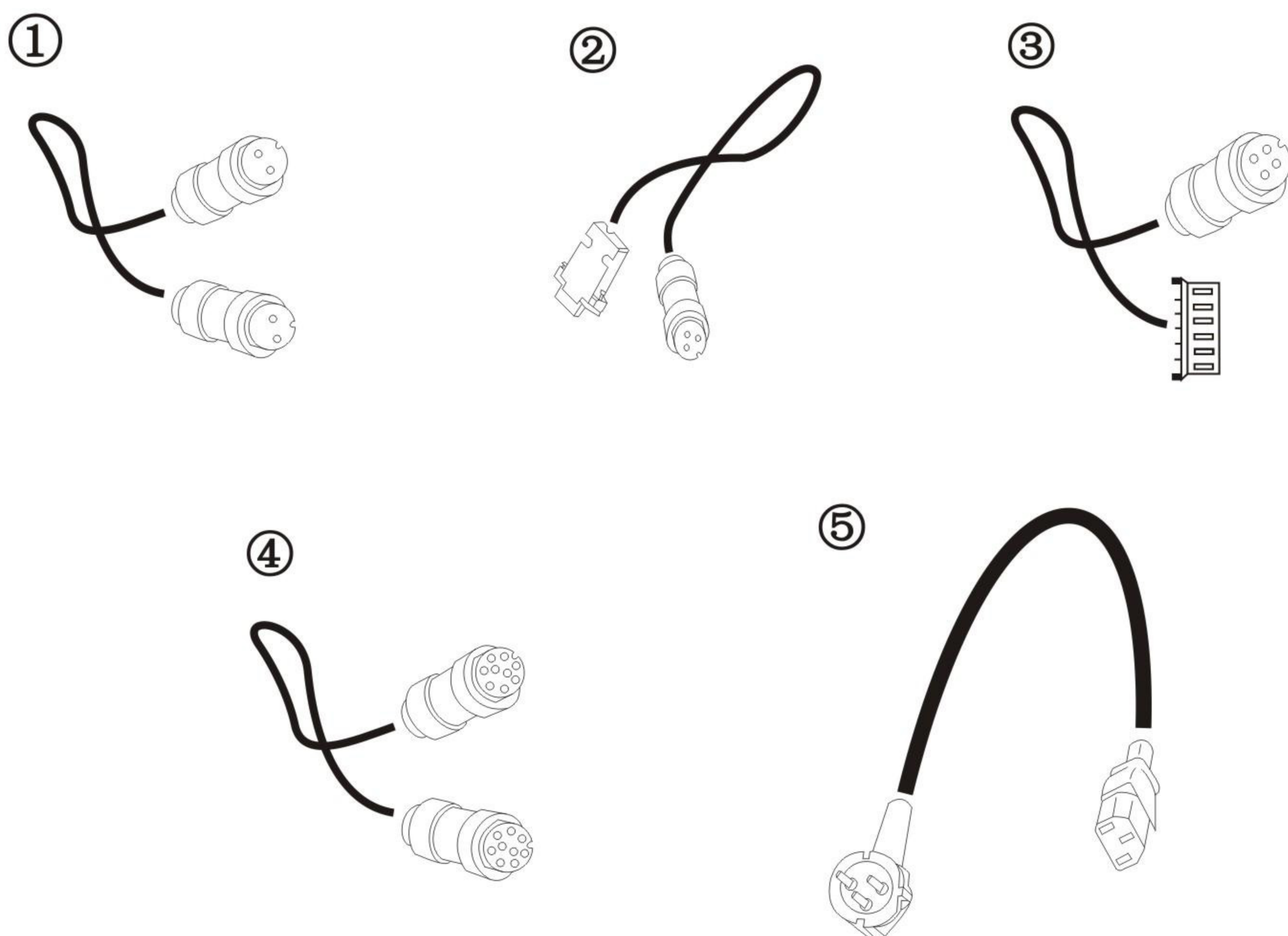
② Power cable

③ Dustproof

④ Near point card

⑤ Near point rod

2).Power box accessories



① 2 pin Supore chart projector series data cable

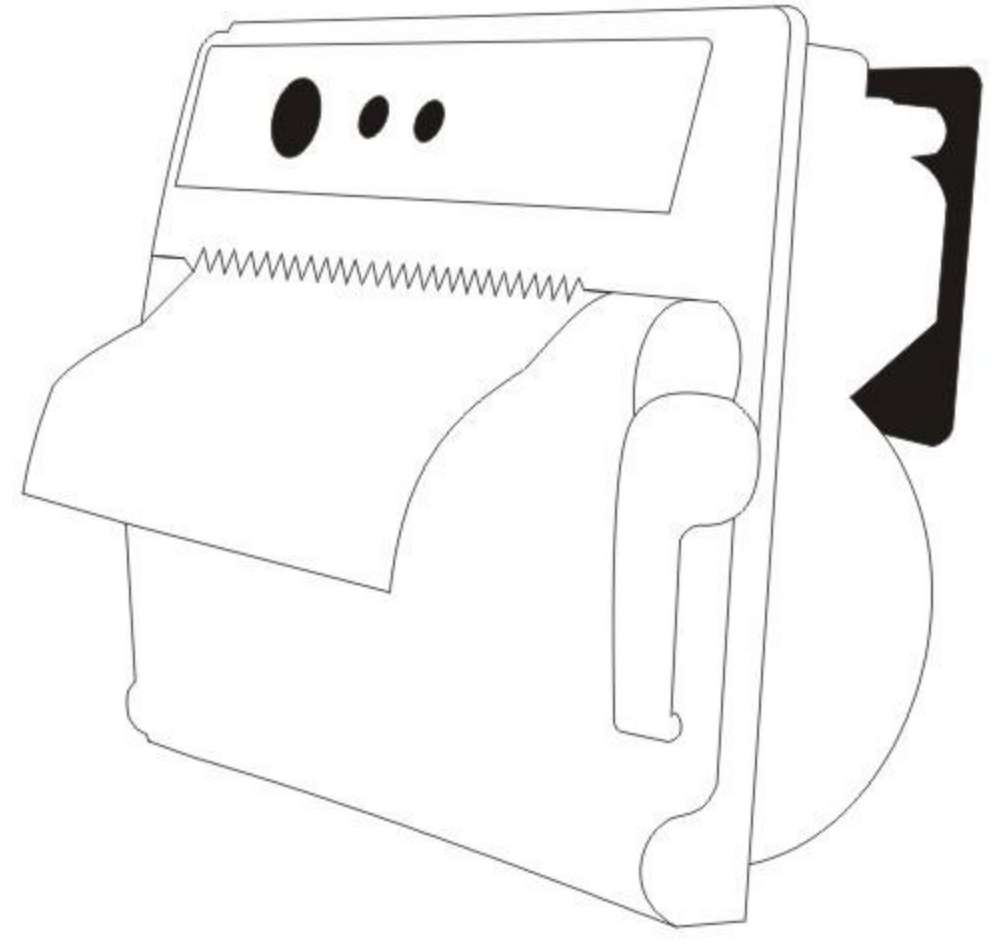
②. 3 pin refractometer data cable

③. 4 pin printer data cable

④. 9 pin keyboard data cable

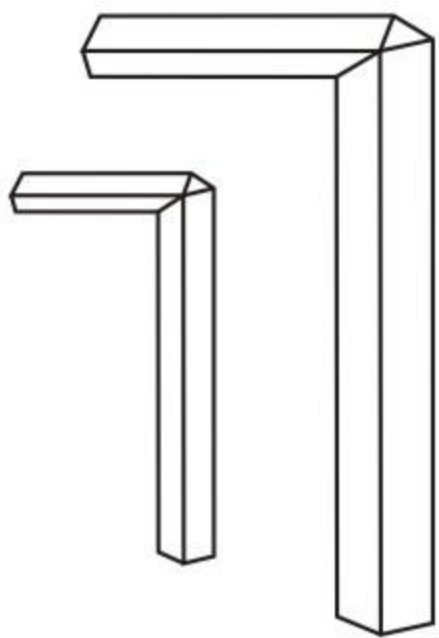
⑤. AC general power cable

3).. Printer

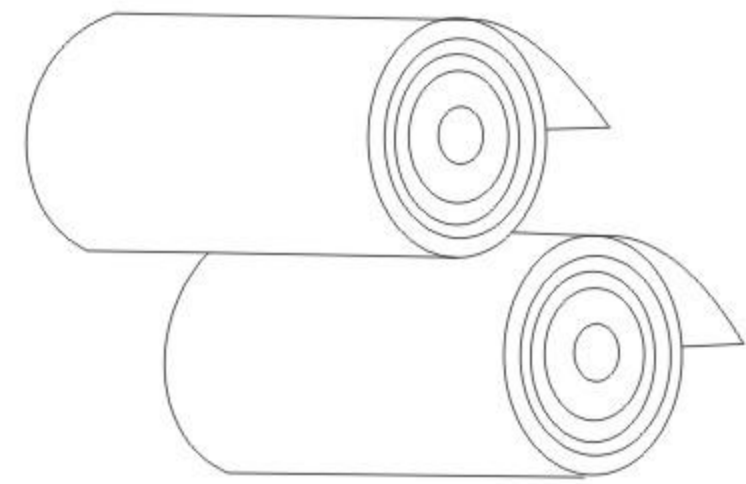


4) . Other accessories

①



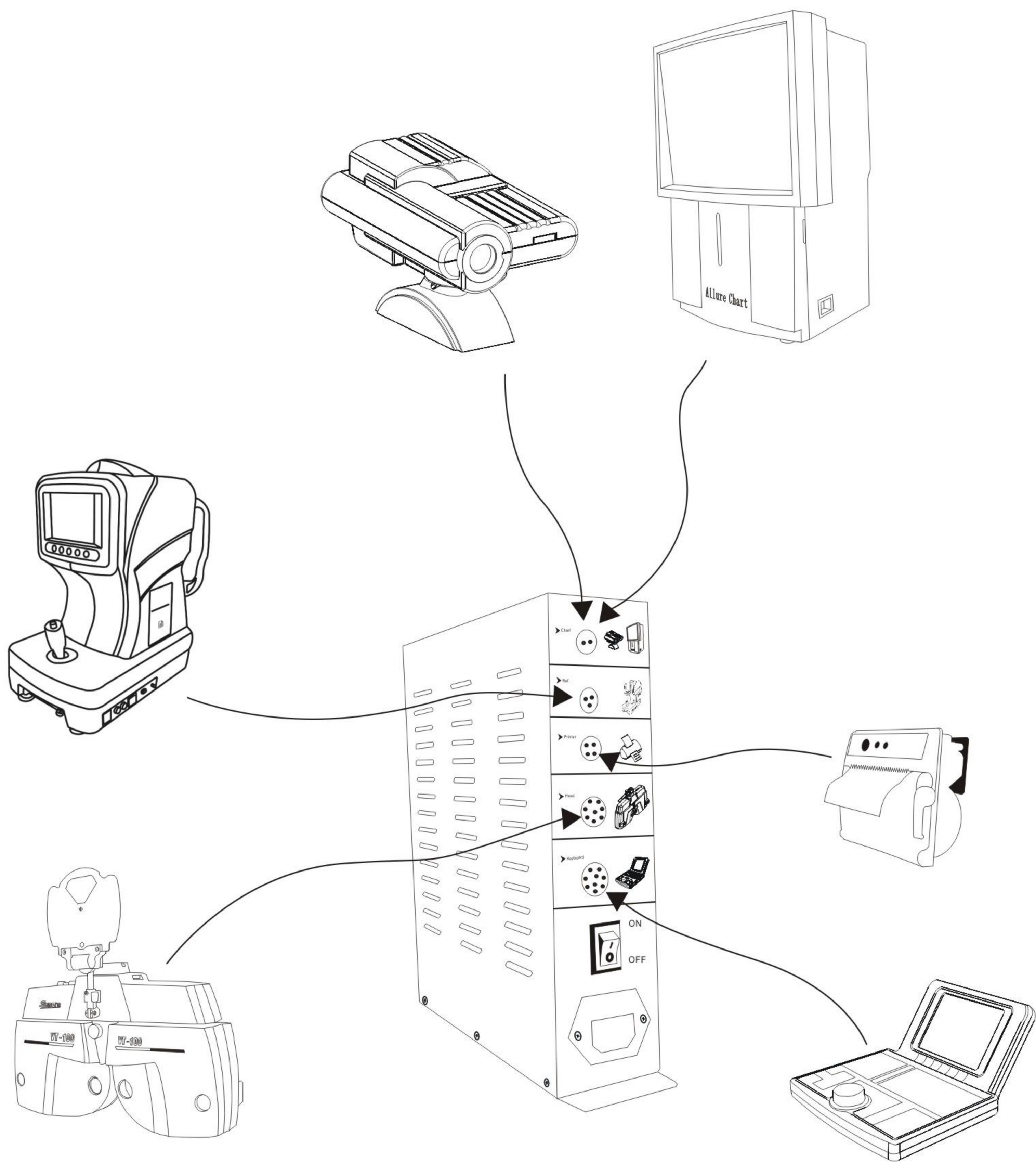
②



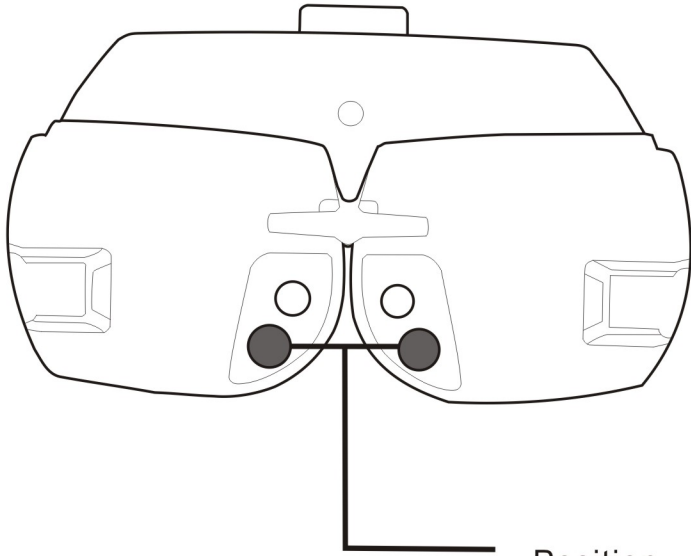
①. Inside-hexagonal M2、 M4

②. Print paper

8. Network graph



1) . Usage



Position



2) . Storage

