Operation Manual

TSRL-190 LCD CHART

SCIENCETERA

A.Instructions for remote control

Press key 7, then
Press key 31,

E 0.8
0.9
1.0

will show on the display

If the LCD screen is
not used for 10 minutes
it will automatically turn
off. Press this key to turn
it on again.

Charts Area

Horizontal single line mask

Single letter
line mask

Color-blind key, Press key28（up）
or key30（down）to switch pages

Vertical single
line mask

Manual Instruction key,
Press key28（up）or
key30（down）to switch pages

Press this key for
distance selection.

Confirm
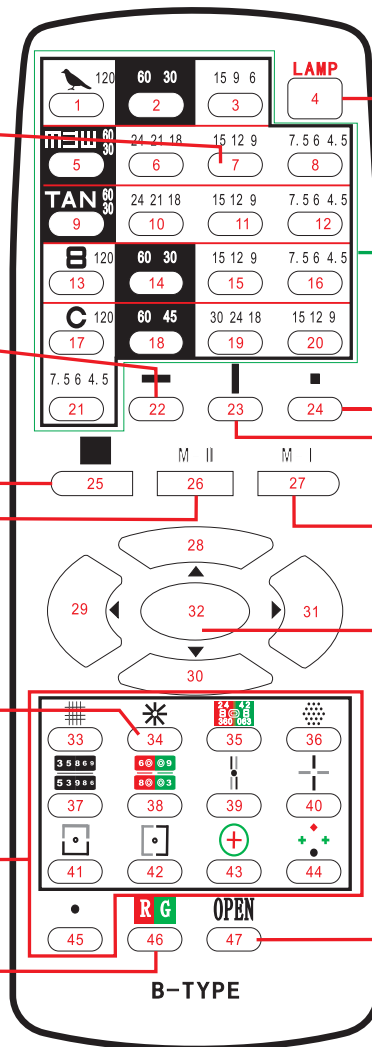
There are four kinds of
astigmatism clock dial
charts. one kind by per key.

Function area

Charts Area
R/G switch key

Charts Area
Mask clear

B-TYPE

Key28 : UP   Key30 : Down
key29 : Left   key31 : Right

LAMP
M II
M I
TAN
R G
OPEN

B. Distance setting:

1> First press remote control M-I key (27) to for distance setting [Distance]

2> Press key 30 ,choose [**B**] or [**A**] ,then press key 32 to confirm.

3> Press key 31 to choose distance ,press key 30 to choose
distance from 2.0 M ,then press key 32 to confirm .
Setting is finished when [START] show on the screen.

C. Key M-II (26) is for screen instructions. There are two language settings: Chinese and English or English and Spanish.Press key28(up)or key30(down) to switch pages.

D. Key (25) , color blindness and eyeball diagram. Press key28(up)or key30(down) to switch pages.

E. press any key between 1 to 21, then press key(46), R&Gwill appear on the screen. Clear R&G by pressing key 46 again .

F. Key22-24 is for mask single horizontal letter, vertical letter and single letter; press key 47 to clear.

G. There are four pictures by press key 34 : ① broken line 15°,②real line 15°, ③broken line10°,④real line 15°. One kind by per key.

H .Press key 7, then press key 31, **E** 0.8 0.9 1.0 will appear on the screen; Or directly press key 5 , then continue by pressing key 31, **E** 0.8 0.9 1.0 will also appear.

I. If not being used the LCD screen will turn off automatically if not used for ten minutes, press key (4) to restart.

Specification

1. Working distance can be 2M-6.5M, each 0.25M a step,
   but suggested working distance should be 2.5M-6M.

2. It will automatically adjust the size of all charts according to the selection of the working distance.

3. There is an SD card behind the monitor, it contains the entire software, please do not try to change it by yourself, the dealer will do it for you if an update should be necessary.

4. The power switch on the lower right corner of the monitor and the key LAMP(4) on the remote control can both control power ON/OFF. It is recommended to turn off the device if it's not being used.

5.Independent software system by SCIENCETERA, no copyright issue.

6.Pictures are displayed immediately when power is turn on.

7.Software and information are retained when power is turn off.

8.Five LCD screens can be operated at the same time without problem.

9.Four kinds of astigmatism clock dails:
　①broken line15° ②reak line15° ③broken line10° ④real line10°

10.Update the software by SD card.

11.Controlled by remote control

12.Can be linked to the SCIENCETERA TSRD-500

Specification of screen

1.Panel:19"(4:3)

2.Pixel pitch: 0.285mm

3.Max.brightness:300cd/m2

4.Max.contrast ratio: 800:1

5.Max.resolution:1280×1024

6.Input signal: RGB

7. Sigal joint: 15Pin D Pattern Plug

8. Energy consumption: 35W

9. Net weight: 5KG

10. Compatibility: PC/MAC

11. Dimension: 60 (D)×425(W) ×440(H)mm

Placement

1.Can be hung on the wall by a bracket.
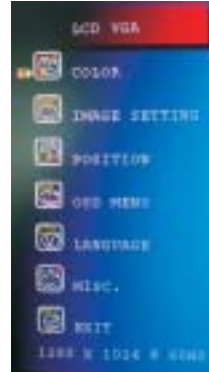
2.Can stand on ground by a support

3.Can be set on the table

Remark:if one shop want to use two units or more LCD screen at same time,code setting please contact manufacture.

The step of color adjustment

Press MENU button first ,
then it will be displayed
as the following figure :

Press MENU botton one
more time ,it can choose
contrast as the following
figure:

Press"+" OR"-"button to choose
colour level again ,then press
MENU button ,
it will be displayed
as the following figure :

Press"+" OR"-" button to choose the colour what you want ;
after press MENU button again ,
it can through pressing " +" OR "-" button to adjust colour values .

Press AUTO button to exit the opteration .
Press AUTO button continuously to exit directly after finishing adjustment .

Same As Other Operation

Accessory:

Remote control： 1

Battery： 1

Power supply： 1

Braket： 1

Power cord： 1

Instruction manual： 1

Expansion screw： 4

4X40 self-tapping screw： 4

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