

TF-40 TRIAL FRAME

User's Manual



TRIAL FRAME TF- 40 -USER GUIDE

1. Brief

This Trial Frame TF-40 that our company present is designed for rectifying and examining eyesight, reasonable, safe and easy to use. It is applicable to spectacles shops, hospitals, schools and enterprisers.

2. Main Technical Indexes

2.1 Range of PD adjustments:

PD of both eyes: 48~80mm

Left or right PD: 24~40mm

Minimum scale Value: 1mm

2.2 PD tolerance: $\pm 0.5\text{mm}$

2.3 Scale panel on each disk:

Left disk: $120^\circ \sim 0^\circ \sim 135^\circ$

right disk: $45^\circ \sim 180^\circ \sim 60^\circ$

Axial scale increases counter clockwise along the lens frame axis, and the minimum scale is 5° .

2.4 Inner diameter of lens frame: $\Phi 32.5\text{mm}$

2.5 The number that can be inserted into left or right lens frame simultaneously: 4pcs

2.6 Degree of lens rotating around optical axis in the lens frame: 360° .

2.7 Non-parallelism degree between lens' optical axis and lens frame's geometric axis: $\leq 2.5\text{mm}$.

2.8 Non-concentricity between lens' optical center and lens frame geometric center: $\leq 0.5\text{mm}$.

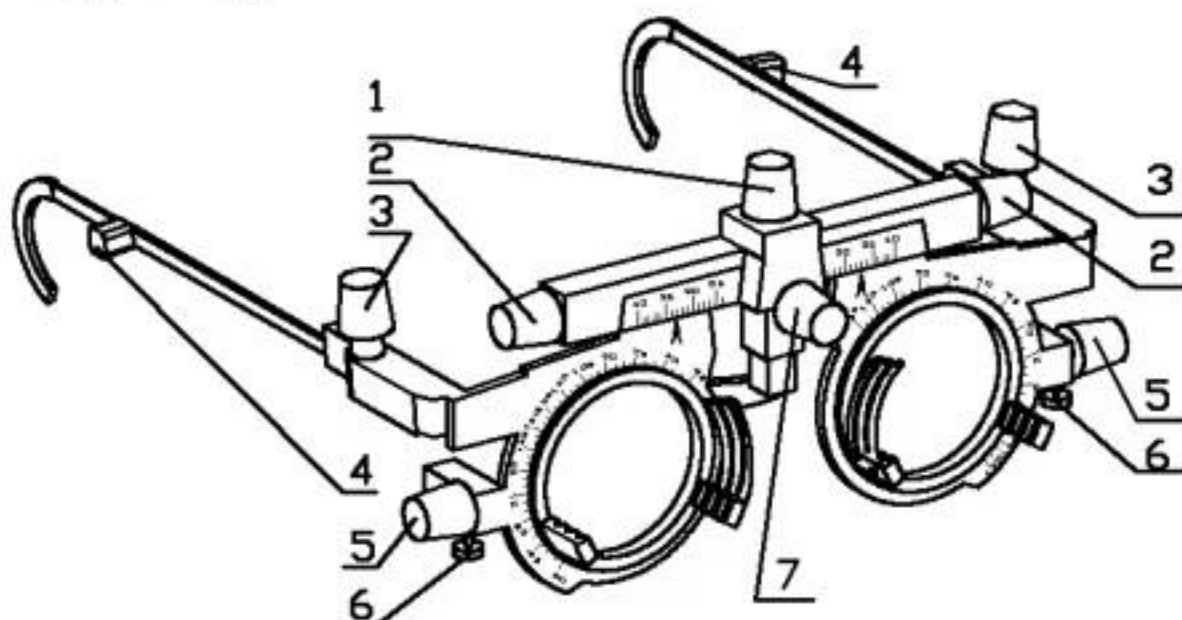
2.9 Displacement of lens in relation to position of lens frame geometric center: $\leq 0.3\text{mm}$

2.10 Range of nose pad adjustment: Length: 0~14mm; Angle: $0^\circ \sim 30^\circ$.

2.11 Range of left or right lens frame temple's length adjustment: 98~135mm.

2.12 Maximum interval between left and right lens frame temples: 200mm.

2.13 Weight: 73g.



3.0 Instruction for Use

Sketch of Trial Frame TF-40

1. Nose pad adjustment knob
2. PD adjustment knob
3. Frame temple's angle adjustment knob
4. Frame temple's length adjustment part
5. Astigmatic axis adjustment knob
6. Astigmatic axis lock knob
7. Nose pad's angle adjustment knob

3.1 PD Adjustment

Left and right pupillary distances of this frame can be adjusted. According to PD of a testee, rotate left and right PD adjustment knob(part 2) respectively. There is a marked arrow on each of the scale panel. Guided by the arrow, you can adjust PD to the proper position you need. Accordingly, the left and right lens frame will be precisely moved.

3.2 left and right frame temple adjustment

A testee can pull out the frame temple's length adjustment part (part 4) to adjust the length until it is in a comfortable position. On the hinge of each frame temples, there is a frame temple's angle adjustment knob(part 3), which is used to adjust the angle of the ear-hangers and ensure the slanting angle of the trial frame is about 15° .

3.3 nose pad adjustment

Adjusting the nose pad according to the testee's nose bridge. Nose pad adjustment knob(part 1) is used to adjust length, and Nose pad's angle adjustment knob(part 7) for adjusting the angle.

3.4 adjustment of cylindrical and prismatic axis

Rotating the astigmatic axis adjustment knob(part 5) after the lenses inserted, adjust the lens axis. When it is in the clearest axis, fasten the astigmatic axis lock knob(part 6).

4. Notes

- 4.1 Fine and precise adjustment of the product has been made before delivery. Please do not dismantle it to guarantee its measuring precision.
- 4.2 This product is mainly composed of plastic and metal parts, In order to guarantee the service life, please avoid severe shock or impact to prevent the components from damage of deformation.
- 4.3 This product is used in the normal temperature. Please keep dry and ventilated. Also keep the scale panel and PD rod clean. Wipe of the dirt and blot with soft cloth.
- 4.4 Use this trial frame in the available measuring scope.



TF-40 TRIAL FRAME