

Shanghai Topview

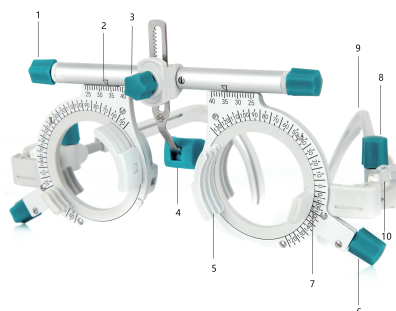
Universal Trial Frame

Instructions TPV-9000



■ Name

- 1.Pupil distance knob
- 2.Pupil distance ruler
- 3.Pupil height knob
- 4.Replaceable, adaptive nose pad
- 5.Lens slot
- 6.Axis position knob
- 7.Axis scale
- 8.Front inclination angle knob
- 9.Adjustable frame leg length
- 10.Eye distance scale



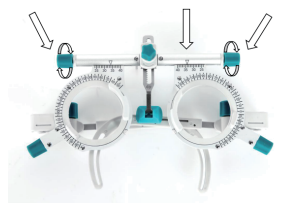
■ Main technical indicators

- 1.Pupil distance adjustment range: binocular pupil distance range: 48 - 80 mm; left and right pupil distance: 24 - 40 mm; the minimum scale value: 1mm.
- 2.Axis scale: left scale: $130^{\circ} \sim 0^{\circ} \sim 120^{\circ}$; right scale: $50^{\circ} \sim 180^{\circ} \sim 60^{\circ}$. The axis scale increases anticlockwise along the axis of the frame, and the marking interval is 5° .
- 3.Effective internal aperture of frame: $\Phi 33.5\text{mm}$.
- 4.The number of lenses that can be inserted into the left and right frames: 5 (the front is 3 and the back is 2).
- 5.Rotation degree of optical axis of lens in inner ring of frame: 360°
- 6.The nonparallelism between the optical axis of the lens and the geometric axis of the frame: $\leq 2.5^{\circ}$.
- 7.The difference between the optical center and the geometric center of the lens: $\leq 0.5\text{mm}$.
- 8.Displacement of the lens relative to the geometric center of the frame: $\leq 0.3\text{mm}$.
- 9.Adjustment range of nose pad: adjustable length: 0~25mm; angle: arbitrary angle.
- 10.Adjustable length range of the left and right frame leg: 0~30mm.
- 11.Weight: 53g.

■ Instructions

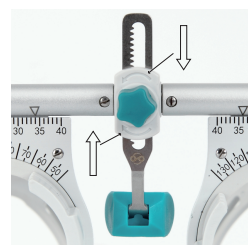
Pupil distance adjustment

- 1.According to the pupil distance of the subject, turn the left and right pupil distance knobs respectively.
- 2.According to the "△" instruction, adjust the pupil distance to the required pupil distance.



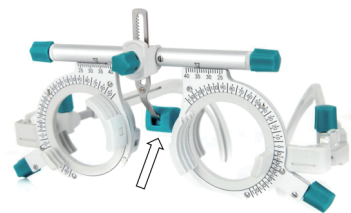
Pupil height adjustment

- 1.Wear the trial frame, observe the pupil center of the subject.
- 2.Pull out the pupil height adjustment knob. (Do not pull out too hard).
- 3.As shown by the indicator arrow, turn the button clockwise to adjust the pupil height to move up, and turn the button anticlockwise to adjust the pupil height to move down.
- 4.After adjustment, push the knob forward and fix it.



Nose pad adjustment

1. Nose pad is replaceable.
2. When wearing, it can be automatically adjusted to the appropriate position according to the height of the nose bridge of the subject.



Front inclination angle adjustment

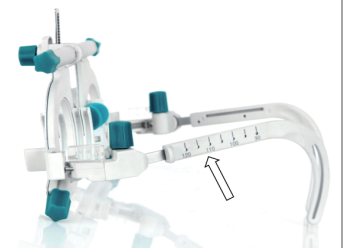
1. Rotate the front inclination angle knob according to the ear height of the subject.
2. The distance between the measured cornea and the posterior top focus of the trial frame lens is the current distance of eye from the back vertex of the lens.
3. The scale reading of the eye distance is based on the outermost lens slot of the rear lens slot.



Note: If the lens is inserted into the inner side of the rear lens slot, the eye distance reading should be increased by 3.5 mm. If the lens is inserted into the inner side of the front lens slot, it will exceed the scale reading range.

Frame leg length adjustment

1. Adjust the frame leg length according to the face size of the subject.
 2. Measure the frame leg length according to the degree of the frame leg.
- ★ The cross line lens can be inserted to adjust the pupil distance and pupil height of the subject more accurately.
 - ★ The optical center of the lens should be consistent with the pupil center of the eye.



■ Attention

1. This product should be ventilated and dried indoors to prevent moisture.
2. This product has been precisely adjusted before leaving the factory. Please do not disassemble it at will to avoid affecting the measurement accuracy.
3. This product is mainly composed of plastic parts. Strong vibration or impact should be avoided to prevent the damage or deformation of parts, thus affecting the service life.
4. During operation and adjustment, excessive force shall be avoided to damage parts or cause cracks.
5. Axis scale and pupil distance ruler should be kept clean. If there is dust, stains, etc., please wipe it with clear water. Please do not wipe with alcohol or other chemical liquid.

Implementation standard of product: GB18143-2011