

Prismatic Difference Test Equipment

Description:

As fully described in EN 167 in order to measure prismatic difference between the two oculars when mounted in a frame.

Instead of the white light source for the equipment, we use a Helium Neon laser. This keeps the cost down and makes for a more compact arrangement which is much more straightforward to set up on site.

The laser beam is expanded and projected on to the eye protector which is mounted on a standard headform located 2m away. The headform has 20 mm diameter holes drilled through from front to back at each eye position, at a pupillary distance of 64/54mm (adult/child). Located within the headform is the aperture plate for the eye positions and the 1000mm focal length lens.

A target is mounted 2m away from the headform and the laser dots are focused on it. The displacement of the dots is then measured and converted into prismatic difference.

Services required:

Wall mounted – 4.5m straight wall required. 115/230vac, 50/60Hz mains electricity – please specify.

Approximate packed size & weight:

25 x 35 x 65 cm : 15 kg.

Relevant standard:

BS EN 167 : 2001, para 3.2.2

Delivery: Approximately 8 weeks from receipt of order and deposit.

Effective: May 2008

