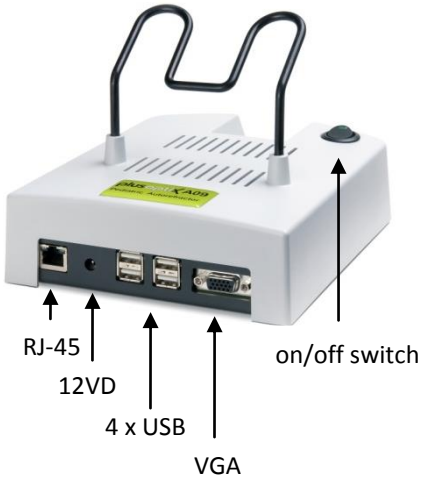
plusoptiX A09 – Short manual

plusoptiX A09



Practical tips

1. The examination room should only be slightly illuminated, i.e. no direct daylight. Halogen spotlights and light bulbs are emitting infrared light and should be switched off during measurements. Fluorescent lamps and energy-saving lamps can be used for lightning the room.

2. Where possible, only the child, one parent and the examiner should be in the room during the examination, to avoid any distraction of the child.

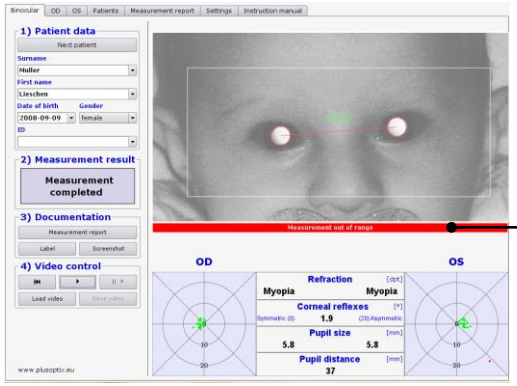
3. The chair on which the parent and the child are seated should ideally be positioned directly at a wall, to ensure that the position of the child cannot be significantly changed by the parent during measurement.

4. Start the measurement by pressing the green button. The measurement is performed from a distance of one meter (+/- 5 cm) away from the child. Start the measurement from approximately 90 cm distance to the child. Move back until the pupils are clear and outlined with green circles. At this moment the warble-sound appears again to signalize that the measurement starts now.

5. It is important to hold the camera on eye-level when performing a measurement. Please make sure that the pupils are not covered by eyelashes, the eyelid or hair. If no measurement result appears, a status message will be displayed. In this case please follow the instructions, outlined on the rear side of this page.

R.R., 02.03.2015

Statusmessages



Statusmessage

Pupils not found	The plusoptiX A09 was unable to find pupils within 20 seconds. Restart the measurement procedure and ensure the correct distance to patient.
Pupil too large	One or both pupils are larger than 8 mm. Increase the lighting in the room to contract the pupils.
Pupil too small	One or both pupils are smaller than 4 mm. Decrease the lighting in the room to dilate the pupils.
Infrared noise	Infrared component in ambient light is too strong. Avoid direct sunlight and switch off “warm” light sources such as halogen or incandescent lamps.
Measurement out of range	If the spherical equivalent is ≥ +5.00 dpt the measurement value shows “Hyperopia”. If the spherical equivalent is ≥ -7.00 dpt the measurement value shows “Myopia”.
Monocular: Cover OS!	In monocular mode, only one eye can be measured. Cover the patient’s left eye.
Monocular: Cover OD!	In monocular mode, only one eye can be measured. Cover the patient’s right eye.