plusoptiX A09 Pediatric Autorefractor - 400350

Field of Application
Pediatric autorefractor plusoptiX A09 is a binocular, hand-held autorefractor appropriate for infants from 6 months of age and older. It provides reliable measurements of refraction, pupil sizes, interpupillary distance and eye alignment.

Used in the context of an entry exam, measurements of undilated pupils provide valuable data (including cylinder and axis) as a starting point for cycloplegic retinoscopy.

Unique Features
The plusoptiX A09 provides four unique features:
- Both eyes are measured simultaneously
- Measurement distance is 1 meter, i.e. 3.3 feet
- Acquisition time is 0.8 seconds
- Refraction can be measured through glasses

These features make it a very effective tool for gathering vision data on pre-verbal, non-verbal, un-cooperative and nystagmus patients.

Documentation
The plusoptiX A09 offers electronic as well as paper documentation options. If you connect it to your EMR-System you are able to import patient data and export readings automatically. If you connect it to a printer you can print self adhesive labels (using a Dymo printer) or screen-shots (using a HP printer) for your paper records.

Using optional software license Z you are able to print a letter size report (see sample below) for parents (using a HP printer).
plusoptiX A09 Pediatric Autorefractor - 400350

Pricing

**Pediatric Autorefractor (400350):**
plusoptiX A09 including monitor, power supply, wireless keyboard and mouse........ $9,985

**Software license Z (400351):**
prints letter size report for parents (see sample on back of this brochure)........ $895

**Software license D (400352):**
saves patient information and readings into a database.................. $895

**Spectacles +3.00 dpt (400353):**
to perform a quick accommodation test ........ $79

**plusoptiX Carrying Case (400301):**
protective carrying case for plusoptiX ............ $360.00

plusoptiX A09 Includes

Measuring Principle
Pediatric Autorefractor plusoptiX A09 measures refraction by means of photo-retinoscopy. It’s the same as retinoscopy with the only difference being that low level infrared light is used instead of visible light to avoid glare. Infrared light is completely innocuous and contained in sunlight as well as all incandescent lights (e.g. light bulbs, halogen spots etc.). The spherical refraction is calculated based on the crescent pattern within the pupil. Measurements are performed in three meridians in order to determine cylinder and axis.

Measurement Range

- **Spherical equivalent**...........-7.0/+5.0 dpt in 0.25 dpt increments
- **Cylinder**......................-7.0/+5.0 dpt in 0.25 dpt increments
- **Pupil size**......................4.0 - 8.0 mm in 0.1 mm increments
- **Measurement duration**..........Dynamic, min, 0.8 seconds
- **Measurement distance**..........1 meter (+/-5cm)/3.3 feet(+/-2 in)
- **Fixation target**..................Warble Sound

Technical Specifications

- **Monitor resolution**.............1024 x 768 pixels
- **Interfaces**......................4xUSB, 1xVGA and 1x RJ45
- **Power input voltage**............100 - 120 V / 220 - 240 VAC
- **Mains frequency**...............50 - 60 Hz
- **Certified in**....................USA (FDA), Canada (Health Canada), Europe (CE)

Order this product online at www.good-lite.com or call us at 800-362-3860.

<table>
<thead>
<tr>
<th>SKU Number</th>
<th>Product</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>400350</td>
<td>plusoptiX A09</td>
<td>$9,985.00</td>
</tr>
<tr>
<td>400351</td>
<td>Software License Z</td>
<td>$895.00</td>
</tr>
<tr>
<td>400352</td>
<td>Software License D</td>
<td>$895.00</td>
</tr>
<tr>
<td>400353</td>
<td>Spectacles +3.00 dpt</td>
<td>$79.00</td>
</tr>
<tr>
<td>400301</td>
<td>Carrying Case</td>
<td>$360.00</td>
</tr>
</tbody>
</table>

*Carrying case sold seperately*