

REF 161301

## Keratron® Piccolo

### ■ IMAGE ACQUISITION AND MOVIES

Enabled with TV camera mounted on a slit lamp and video capture board (not included)

### ■ ON-LINE HELP

Detailed on-line multi language help detailed for all functions

### ■ CONTACT LENS

Fluorescein pattern simulation of most of international contact lens manufacturers' geometries. Tilting to simulate lid pressure.

Lens displacement in any position.

Eccentricity measured at 6 and 8mm, over-refraction calculator.

Personalized auto-fit for customized lens

Adjustable clearance scale. Link to third party software.

### ■ INTERNET CONNECTION

Maps can be sent as attachments to e-mail messages

### ■ LOCAL NETWORK AND DATABASE

Management of one or more independent databases shareable in a network

## ACCESSORIES

### ■ DOCKING BASE

Power supply for videokeratoscope, EPP or USB (with interface) connection to the computer battery charger, slit lamp kit

### ■ SLIT LAMP KIT

Slit lamp attachment for tonometer hole D=8mm, connection cable

### ■ OPERATING ROOM TROLLEY

Balanced arm trolley and PC interface

### ■ FAR MIRES CONE

Four deep set eyes. 28 mires are 3mm more recessed than standard cone. Coverage 75-80% of cornea

### ■ OPERATING ROOM DISPOSABLE PLASTIC COVERS

Disposable sterile plastic covers for standard and/or far cone

### ■ BATTERY/HEAD REST MODULE

Can be connected to videokeratoscope for hand held operation.

Battery 1200mAh (1 hour)

### ■ INTERFACE USB/EPP

Interface for USB (PC) with EPP (docking base)

## REGULATORY

### ■ CE MARK

Directive 93/42/CEE

### ■ Miniaturization: Keratron® technology for everyone

### ■ Portable and compact

### ■ Portable cable supplied.

### ■ Fits on any slit lamp.

### ■ Keratron capability; same precision, same repeatability, same corneal coverage.

### ■ Eye position is controlled using PC monitor image.



■ Keratron® Piccolo mounted on a slit lamp

KERATRON® SCOUT and PICCOLO

# TECHNICAL FEATURES Keratron® Piccolo

## CONFIGURATIONS

### ■ PORTABLE

Easily mounted on any slit lamp

## VIDEOKERATOSCOPE

### ■ AREA OF ANALYSIS

10mm x 14mm (visible on the monitor)

### ■ KERATOSCOPE CONE

28 border mires, equally spaced on a 43D sphere

### ■ ANALYZED POINTS

Over 80.000

### ■ MEASURED POINTS

7168

### ■ CORNEAL COVERAGE

From 0.33mm (minimum diameter on a 43D sphere) up to 11mm on a normal eye

### ■ MEASURED AREA

90% of the corneal surface (normal eyes)

### ■ DIOPTRIC POWER RANGE

From 1D to over 120D

### ■ RESOLUTION

+/- 0.01D - 1 micron

### ■ FOCUSING DEVICE

Eye Positioning Control System EPCS (patented) automatic acquisition, with decentration correction

### ■ TV CAMERA

High resolution (CCIR)

### ■ OTHER FEATURES

Tilttable mires cone (0°-10°)

### ■ WEIGHT

1 Kg approx.

### ■ ACCESSORIES INCLUDED

Calibration set, Scout software

## COMPUTER (Recommended Minimal Requirements)

### ■ ENVIRONMENT

MS Windows 2000/XP/Vista/7

### ■ PROCESSOR/MEMORY

Pentium III 450MHz, minimum 64 Mb RAM

### ■ DISKS

Internal 10 Gb HD, internal 8x CD-Rom, drive 3 1/2" - minimum 1.44Mb

### ■ MONITOR

Super VGA color monitor 14", 1024x768 points, 16 million colors

### ■ PRINTER

Color printer

### ■ PORT

USB Port

## SOFTWARE

### ■ DIOPTRIC SCALE

Absolute, normalized, adjustable

### ■ KERATOMETRIC VALUES AND INDICES

K-readings, meridians, hemimeridians, Maloney indices, eccentricity, CLMI keratoconus indices

### ■ PUPIL

Border detection, diameter and decentration

### ■ ZONES AND GRIDS:

3,5 and 7 mm, orthogonal axis or millimeter grid

### ■ MAPS

Local curvature, axial curvature, wavefront OPD or Wavefront error (Wfe) refraction map with 3D insert

### ■ MOVE AXIS

Position of the axis selectable as corneal vertex, pupil center or any other choice

### ■ PRINT

Print screen with header of the institution, or personalized print templates

### ■ SPECIAL FUNCTIONS

Profiles, difference, repeatability check, maps comparison, caliper, refraction calculator

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