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Ophthalmic tomograph CARL ZEISS CIRRUS HD-OCT 4000 (Reconditioned)

Used, perfect condition,
German production,
Power supply: 230 V,
Frequency: 50/60 Hz,
CARL ZEISS Cirrus HD-OCT 4000 enables examination of the back and front of the eye in an extremely small spatial scale without surgical biopsy or even eye contact. Cirrus HD-OCT creates and refines retinal imaging technology first introduced with ZEISS Stratus OCT. HD-OCT stands for high resolution optical coherent tomography,
Using advanced coherent spectral tomography optical imaging technology, Cirrus HD-OCT collects OCT data about 70 times faster (27,000 vs. 400 A-scans per second) and better resolution (5 μ m compared to ~ 10 μ m axial resolution in tissue) in compared to first generation OCT technology. Cirrus acquires entire cubes of OCT image data, consisting of hundreds of linear scans, around the same time that Stratus obtains a six-line scan. You can display these data cubes in three planes or through three dimensions, which gives access to a large amount of retinal image data in one scan,
Functions:
RNFL thickness analysis,
3D volume rendering
Auto focus
Segmentation layer editor
Normative data of the macula,
Analysis of macular changes,
Spot reports
Progress analysis,
Technical data:
HD-OCT imaging:
Methodology: OCT spectral domain,
Optical source: superluminescent diode (SLD),
840 nm optical power:
Scanning speed: 27,000 A-scans per second,
Scan depth A: 2.0 mm (in tissue), 1024 points,
Axial resolution: 5 μ m (in tissue),
Transverse resolution: 15 μ m (in tissue),
Fundus imaging:
Methodology: line scanning ophthalmoscope,
Fundus: during alignment and during OCT scanning,
Optical source: superluminescent diode (SLD),
750 nm optical power: <1.5 mW in the cornea,
Field of view: 36 ° (W) x 30 ° (H),
Number of frames: > 20 Hz,
Transverse resolution: 25 μ m (in tissue),
Iris imaging method:
CCD camera,
Resolution: 1280 x 1024,
Anterior eye thickness test,
Internal focus adjustment: -20D to + 20D (diopter),
Integrated 15 "(inch) color display,
Built-in DVD-ROM RW drive (recorder),
Built-in hard disk with internal memory for 80,000 scans,
The device has 6 USB ports,
Device software in German,
Included:
CIRRUS HD-OCT 4000,
EPSON B-300 color inkjet printer,
Wired keyboard and mouse,
Original Carl Zeiss height adjustable table:
Height adjustment in the range of: 64.5 - 93 cm,
Full documentation with operating instructions in German,
User manual in Polish (PDF),
Weight of the device itself: 38 kg,
Device dimensions: 65 L x 44 W x 53 H cm,
Overall dimensions: 106 x 70 x 119.5 / 148 cm,
Has a valid Technical Passport issued,
Warranty:
6 months for the domestic market - Poland,
1 month on the international market,
Financing option (Poland only): Installments, Leasing, Loans,

