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TOPCON 3D OCT-2000 Optical-Ophthalmic Tomograph (Reconditioned)

Reconditioned (used),
Technical condition: very good,
Visual condition: very good,
Real photos of the product,
Japanese production, (2013),
Power supply: 230 V,
Frequency: 50/60 Hz,
Power: 200 VA (max. 400 VA),
Software: 3D OCT - version 8.43,
TOPCON 3D-OCT 2000
combines a funduscamera generating high-quality color images with a state-of-the-art spectral optical tomography OCT,
The high scanning speed (50,000 A-scans/s), and high resolution (5µm) allow building spatial images of the examined tissues on which even the smallest changes can be observed,
Thanks to noise-reducing algorithms and Infrared/3D tracking technology, OCT sections perfectly illustrate the structure of the vitreous body and retina,
The device provides various tools for segmenting and extracting layers, cropping, smoothing, and moving them,
The PinPoint Registration function allows the operator to mark the finest details in the area of the taken fundus image and observe them in the OCT presentation on 2D and 3D scans or thickness maps,
A built-in fundus camera with a high-quality digital camera (16.2 Mpx) complements OCT diagnostics, allowing to visualize the eye structure in detail and revealing any pathological changes,
Various auxiliary functions combined with color photography and 3D OCT imaging enable imaging and analysis of the cornea and anterior segment of the eye,
Diagnostic tools are complemented by such functions as distance measurement, curvature measurement, and measurement of the isthmic angle,
TOPCON 3D OCT-200 technical specifications:
Image angle: 45°,
Operating range: 40.7 mm (in fundus photography) and 63.7 mm (in anterior segment photography),
Retinal camera: 45°: Ø 4.0 mm; smaller pupil diameter: Ø 3.3 mm or more,
Optical coherence tomography: Ø 2.5 mm or more,
Spot - 3D scan: 512×128 (128 horizontal scan lines consisting of 512 A-scans), 6×6 mm,
Spot - radial scan: 1024×6 or 12 (6 or 12 radial scan lines consisting of 1024 A-scans), 6 mm,
Plate - 3D scanning: 512×128 (128 horizontal scan lines consisting of 512 A-scans), 6×6 mm,
Plate - Circle scan: ø3.4 mm, 1024 A-scans,
7-line raster: 4096 A-scans per B-scan, 6 mm,
Scanning speed: 50,000 A-scans per second,
Scanning range (at the bottom of the eye): 8.2×3mm, 6×6mm, 4.5×4.5mm, 3×3mm,
Cornea: 6×6mm, 3×3mm,
Lateral resolution: <20µm,
Depth resolution: 5µm~6µm,
Internal fixation: Matrix LCD display (Display position can be changed and adjusted. Presentation method can be changed.),
Selectable menu in Japanese, English,
The tomograph is equipped with:
NIKON D7000 camera:
Resolution: 12.1 Mp,
DX format:
2784 x 1848 px,
2080 x 1384 px,
1382 x 920 px,
Sensor:CMOS 36 x 23.9 mm (FX),
PC:
Operating System:Windows 10 PRO,
RAM: 8 GB,
Disk: 2048 GB,
Intel CORE i7-2600 Mhz processor,
Windows menu in language: Polish
(possibility to upload the language of your choice),
NEC EA224Wmi monitor,
OKI C332 color printer,
Instrumentation placed on a mobile table
SKF ACTUATION SYSTEM
with electric adjustment from 59 - 89 cm,
Includes:
Power cord,
Fixation point,
Wired keyboard,
Wired mouse,
Dedicated protective rubber for the lens,
Monitor,
Dimensions: 100 x 70 x 129/159 cm,
Weight: 100 KG,
Cat 02,
Has a current inspection and is ready for operation,
Issued Technical Passport (Service Report) valid for a period of 12 months,
Warranty:
6-months for domestic market (Poland),
3-months for the international market,
Possibility to extend the warranty at a surcharge to 12-months for domestic and international markets,
The warranty period does not include bulbs and other light sources installed in the device,
Possibility of financing (Poland only): Installments, Leasing, Loan,

