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TOPCON 3D OCT-2000 optical-ophthalmic tomograph (Reconditioned)

Reconditioned (used),
Technical condition: very good,
Visual condition: very good,
Actual product photos,
Made in Japan (2015),
Power supply: 230 V,
Frequency: 50/60 Hz,
Power: 200 VA (max. 400 VA),
Software: 3D OCT – version 8.43 (Polish language),
TOPCON software: 3.300,
TOPCON 3D-OCT 2000 combines a fundus camera generating high-quality color images with a modern spectral optical tomograph (OCT).
High scanning speed (50,000 A-scans/s) and high resolution (5µm) enable the creation of spatial images of the examined tissues, allowing the observation of even the smallest changes.
Thanks to noise-reduction algorithms and infrared/3D tracking technology, OCT cross-sections are easily accessible. They perfectly illustrate the structure of the vitreous body and retina.
This device provides a variety of tools for segmenting and isolating layers, cropping, smoothing, and moving them.
The PinPoint Registration function allows the operator to mark the smallest details within the captured fundus image and observe them in 2D and 3D OCT scans or on thickness maps.
A built-in fundus camera with a high-quality digital camera (16.2 Mpx) complements OCT diagnostics, allowing for detailed visualization of the eye structure and revealing any pathological changes.
Various analytical functions, combined with color photography and 3D OCT imaging, enable imaging and analysis of the cornea and the anterior segment of the eye.
Diagnostic tools include distance measurement, curvature measurement, and iridocorneal angle measurement.
Technical specifications of the TOPCON 3D OCT-2000:
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 greater,
Optical coherence tomography: Ø 2.5 mm or greater,
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 scan: 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 (fundus): 8.2×3 mm, 6×6 mm, 4.5×4.5 mm, 3×3 mm.,
Cornea: 6×6 mm, 3×3 mm.,
Lateral resolution:
Fine resolution: 5 µm~6 µm,
Internal fixation: Matrix LCD display (Display position can be changed and adjusted. Presentation method can be changed.),
Menu language selection: English, Japanese,
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),
AIO computer ACL OR-PC 19LP (computer placed on a mobile arm with free rotation):
Resolution: 1280 x 1024 px,
Contrast ratio 1500:1,
Brightness 300 cd/m²,
Viewing angle: 178°/178°,
Software: Windows 10 PRO,
RAM: 4 GB,
Processor: Intel Core i5-4300u (1.90 GHz),
SSD: 2 TB (2000 GB),
CANON MP282 color printer,
Instrumentation placed on a mobile RINI table with electric height adjustment from 69 to 101 cm,
Includes:
User manual in English (PDF),
LOGITECH K400+ Wireless Keyboard,
Optical tomograph equipped with a fixation point,
Overall dimensions: 115 x 60 x 136 cm,
Weight: 115 kg,
Cat 03,
Updated inspection and ready for use,
Issued Technical Passport (Service Report) valid for 12 months,
Warranty:
6 months for the domestic market (Poland),
3 months for the international market,
Possibility of extending the warranty for an additional fee to 12 months for the domestic and international markets,
The warranty period does not cover light bulbs and other light sources installed in the device,
Financing options (Poland only): Installments, Leasing, Loan,

