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**ALOKA PROSOUND ALPHA 6 Ultrasound scanner (Reconditioned)**

- Reconditioned (used),
- Technical condition: very good,
- Visual condition: very good,
- Real photographs of the product,
- Made in Japan,
- Power supply: 230 V,
- Frequency: 50/60 Hz,
- Power: 900 VA,
- The ALOKA Alpha 6 is a top-of-the-range compact ultrasound machine using the Aloka Alpha 7 and Alpha 10 system platform, one of the most popular models on the market. It has a super-efficient new generation 12-bit digital transducer, a freely configurable (depending on the application) number of transmit/receive channels, advanced 2nd harmonic technology (Extended Pure Harmonic Detection - ePHD) directly affects the speed and reliability of ultrasound examinations. The eFlow Doppler imaging mode (Extended Flow - next-generation colour Doppler), combining unprecedented sensitivity with incredible spatial and temporal resolution,
- Specification:
  - Compound Pulse Wave Generator - a unique composite wave generator that controls the amplitude of the generated wave - allows extremely precise excitation of the piezoelectric transducers and control of the frequency resulting in a near perfect ultrasound beam with maximally reduced side lobes and reticulation, directly resulting in sharp and clear images unattainable with conventional ultrasound systems,
  - Precise Time Delay Control - precise control of signal delay time,
  - Dual Focusing - innovative technology of dual beam focusing in two planes (using conventional transducers) provides the highest contrast, spatial and temporal resolution at a level significantly exceeding previously known solutions,
  - Multibeam processing - multibeam processing offers exceptionally high frame rates for optimum performance in dynamic studies,
  - Super-efficient 12-bit DAC to form an ultrasound beam with a wide dynamic range,
  - Definitive Tissue Harmonic EchoT (D-THE) - offers clearer edge definition, reduced sidelobe artefacts and less reverberation noise compared to fundamental frequency imaging,
  - Extended Pure Harmonic Detection (ePHD) - additional extended (broadband) harmonic imaging using the latest advances in 2nd harmonic imaging - provides independent detection of phase shift components, harmonic components and backscatter and attenuation components,
  - Adaptive Image Processing (AIP) - adaptive image processing. A fully hardware-implemented feature that reduces noise artefacts and sharpens contours, presenting the usg image in a manner similar to MR imaging,
  - Spatial Compound Scanning (SCS) - simultaneous scanning of the ultrasound beam from multiple angles so-called crossed ultrasound imaging,
  - Extended Flow (eFlow) - a novel type of flow imaging (extended flow). The feature has unprecedented resolution and sensitivity, surpassing even the best Color/Power Doppler imaging. The superior spatial and temporal resolution developed provides detailed visualisation, while reducing overlap of blood flow with tissue information. eFlow is the ideal mode for imaging flows in focal lesions or in the smallest vessels - where Color/Power Doppler imaging no longer works due to technological limitations. This function is ideal for imaging the blood supply of suspicious focal lesions in the breast, uterus or ovaries - where classic colour Doppler may leave diagnostic doubts - eFlow imaging dispels these doubts. With its superior quality and resolution, eFlow essentially eliminates time-consuming examinations with contrast administration. EFlow - is an excellent and fast echocardiographic diagnosis of the foetus at a level far superior to ultrasound systems equipped only with classic Color Doppler imaging,
  - Color/Power Doppler - new generation dynamic wide-band Color/Power Doppler modes provide accurate analysis of blood flow morphology,
  - Tissue Doppler Imaging (TDI) - Colour and Spectral Tissue Doppler, which can depict global myocardial velocity distribution, and also allows quantitative analyses such as velocity profiles, wall thickness, overload and overload factor,
  - Pulsed Doppler (PW Doppler / PW HPRF Doppler) and perfect Continuous Doppler (CW Doppler),
  - Free Angular M-mode (FAM) - real-time anatomical M-mode and Cineloop type memory from 3 cursors (allows cursors to be positioned at any position and angle). This allows the simultaneous display of 3 M-mode images at different positions in the same time phase, facilitating comparison of peak contraction times in different regions of the heart,
  - High Definition Extended Field of View (HDEFV) - precise panoramic imaging of virtually unlimited length,
  - eTracking - a unique feature for early assessment of arterosclerosis and vascular elasticity testing. It automatically tracks changes in vessel diameter (to the nearest 10 microns) and produces a precise pulse wave diagram and calculates vascular stiffness coefficients. The test is technically simple, fast, fully automated and repeatable. eTracking revolutionises the current approach to the diagnosis of early atherosclerotic lesions,
  - Strain / Strain Rate analysis - rich quantitative analysis software based on Tissue Doppler Imaging Analisys,
  - Kintetic Imaging - kinetic imaging, allows, among other things, automatic endocardial contouring and ejection fraction measurement,
  - A-SMA - software for automatic segmented quantitative analysis of wall motion,
  - Dual Dynamic Display (DDD) - simultaneous display of B-mode + B-mode/Color Doppler or Power Doppler or eFlow in real time,
  - Quint Frequency Imaging (QFI) allows selection of optimal clinical operating frequencies,
  - High-resolution zoom - allows increased line density within the magnified area,
  - Image archiving system - fast, intuitive, easy-to-use system for archiving and processing ultrasound images and film sequences with patient database, reports and comments (more than 30,000 patients) allowing storage of images on hard disk (HD), flash memory with data export and transmission to a DICOM 3.0 compliant computer network,
  - Wide-angle Transvaginal Imaging - wide-angle transvaginal imaging (180 degrees),
  - Bi-plane transrectal - Convex/Convex (180/180 degrees) bi-plane transrectal head capability,
  - Innovative 'Pirouette' chassis system for exceptional mobility of the entire system,
  - Extremely simple and easy operation of the instrument,
  - High-end LCD monitor on a mobile arm (digital DVI connection),
  - Excellent ergonomics - colour, interactive, extra-large LCD touch panel - 10.4',
  - Digital outputs: DVI, USB 2.0,
  - Blue key illumination - new more economical keyboard layout,
  - Extensive specialised application software,
  - Freely expandable system architecture,
- Imaging modes:
  - B-Mode,
  - M-Mode,
  - Color Doppler,
  - Power Doppler,
  - PW Doppler,
  - eFlow,
- Control panel height adjustment from 75-100 cm,
- Menu in English,
- Keypad on control panel in language: English,
- Included:
  - User manual in Polish (PDF),
  - Power cord,
  - 3-lead ECG cable,
  - Linear head (UST-5413):
    - Harmonic imaging (THE - 4 bands, ExPHD - 4 bands), Trapezoidal,
    - Operating frequency range: 4.0 to 13.0 Mhz, head length 38 mm,
    - Applications in: vascular, small organ, musculoskeletal examinations,
  - Cardiology transducer (UST-5299):
    - Operating frequency range: 1.0 to 5.0 MHz,
    - Viewing angle: 90°,
- Dimensions: : 72 x 45 x 155 cm,
- Weight: 80 KG,
- Cat 02,
- Has an up-to-date inspection and is ready for use,
- Technical Passport (Service Report) issued, valid for a period of 12 months,
- Warranty:
  - 6-months for the domestic market (Poland),
  - 3 months for the international market,
  - Possibility to extend the warranty to 12 months for the domestic and international market for a surcharge,
- Financing options (Poland only): Instalments, Leasing, Loan,

If you have any questions, please do not hesitate to contact us!  
In case you don't find the product you are interested in, please get in touch with us and we will do our best to find the perfect solution for YOU.

