**PRAISTON Sp. z o.o.**
ul. Górowska 32
64-100 Leszno
Polska

Biuro: +48 65 527 01 67
Serwis:+48 782 844 000
Fax: +48 65 527 01 67

E-mail: biuro@praiston.pl

Koordynator ds. sprzedaży
Krzysztof Wybieralski
+48 882 762 006

kw@praiston.pl

**ALOKA PROSOUND ALPHA 6 USG device (Reconditioned)**

- Reconditioned (used),
- Technical condition: very good,
- Visual condition: very good,
- **Real photos of the product,**
- Made in Japan,
- Power supply: 230 V,
- Frequency: 50/60 Hz,
- Power: 900 VA,
- **ALOKA Alpha 6** is a top-of-the-top compact ultrasound instrument 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, freely configurable (depending on the application) number of transceiver channels, advanced 2nd harmonic technology (Extended Pure Harmonic Detection - ePHD) directly affects the speed and reliability of ultrasound examinations. Doppler imaging mode eFlow (Extended Flow - new generation color Doppler), combining never previously seen sensitivity with unbelievable 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 piezoelectric transducers and frequency control resulting in a near-perfect ultrasound beam with maximally reduced side lobes and reticulation, which directly results in a sharp and clear image beyond the reach of conventional ultrasound systems,
  - Precise Time Delay Control - precise control of signal delay time,
  - Dual Focusing - innovative dual beam focusing technology in two surfaces (using conventional transducers) provides the highest contrast, spatial and temporal resolution at a level far beyond previously known solutions,
  - Multibeam processing offers exceptionally high frame rates for optimum performance in dynamic testing,
  - Super-efficient 12-bit DAC that forms an ultrasound beam with a wide dynamic range,
  - Definitive Tissue Harmonic EchoT (D-THE) - offers clearer edge definition, reduced sidelobe artifacts and less reverberation noise compared to fundamental frequency imaging,
  - Extended Pure Harmonic Detection (ePHD) - additional extended (broadband) harmonic imaging utilizing the latest advances in 2nd harmonic imaging - provides independent detection of phase shift components, harmonic components, and attenuation and backscatter components,
  - Adaptive Image Processing (AIP) - adaptive image processing. A fully hardware-implemented feature that reduces noise artifacts and sharpens contours, presenting usg images in a manner similar to MR imaging,
  - Spatial Compound Scanning (SCS) - simultaneous scanning of the ultrasound beam from multiple angles the so-called crossed ultrasound imaging,
  - Extended Flow (eFlow) - a novel type of flow imaging (extended flow). The feature has outstanding resolution and sensitivity, exceeding even the best Color/Power Doppler imaging. The developed superior spatial and temporal resolution provides detailed visualization while reducing blood flow overlap with tissue information. eFlow is the ideal mode for imaging flows in focal lesions or the smallest vessels - where Color/Power Doppler imaging no longer works due to technological limitations. The function is ideal for imaging the blood supply of doubtful focal lesions, whether in the breast, uterus or ovaries - where classic color Doppler may leave diagnostic doubts - eFlow imaging clears these doubts. Thanks to its superior quality and resolution, eFlow essentially eliminates time-consuming examinations with contrast administration. EFlow - is an excellent and fast echocardiographic diagnosis of the fetus at a level far exceeding ultrasound systems equipped only with classic Color Doppler imaging,
  - Color/Power Doppler - new generation dynamic wide-field Color/Power Doppler modes provide accurate analysis of blood flow morphology,
  - Tissue Doppler Imaging (TDI) - Color and Spectral Tissue Doppler, which can depict overall myocardial velocity distribution and also enables quantitative analyses such as velocity profiles, wall thickness, overload and overload factor,
  - Pulsed Doppler (PW Doppler / PW HPRF Doppler) and superior 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 simultaneous display of 3 M-mode images in different positions at the same time phase, making it easier to compare peak contraction times in different areas 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 allows automatic tracking of changes in vessel diameter (with an accuracy of 10 microns) and production of a precise pulse wave graph and calculation of vascular stiffness coefficients. The test is technically simple, fast, fully automated and repetitive. eTracking is revolutionizing the current approach to diagnosing early atherosclerotic lesions,
  - Strain / Strain Rate Analysis - rich quantitative analysis software based on Tissue Doppler Imaging Analisys,
  - Kintetic Imaging - for example enables automatic endocardial contouring and ejection fraction measurement,
  - A-SMA - software for automated segmented quantitative analysis of wall motion,
  - Dual Dynamic Display (DDD) - simultaneous display of B-mode + B-mode/Color Doppler or Power Doppler or eFlow images in real time,
  - Quint Frequency Imaging (QFI) allows selection of optimal clinical operating frequencies,
  - Zoom in high resolution - allows for increased line density within the magnified area,
  - Image archiving system - a fast, intuitive, easy-to-use system for archiving and processing ultrasound images and film sequences with a patient database, reports and comments (more than 30,000 patients) allowing storage of images on hard disk (HD), flash memory with data export capability 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 connection capability,
  - Innovative "Pirouette" mobile system for exceptional mobility of the entire system,
  - Extremely simple and easy operation of the device,
  - High-end LCD monitor on a movable arm (digital DVI connector),
  - Excellent ergonomics - color, interactive, extra-large LCD touch panel - 10.4",
  - Digital outputs: DVI, USB 2.0,
  - Blue button backlighting - new more economical keyboard layout,
  - Rich specialized application software,
  - Freely expandable system architecture,
- Imaging modes:
  - B-Mode,
  - M-Mode,
  - Color Doppler,
  - Power Doppler,
  - PW Doppler,
  - eFlow,
- Control panel height regulation from 75-100 cm,
- **Has normal signs of use,**
- English menu,
- English keyboard on the control panel,
- **In the set:**
  - Polish instruction manual (PDF),
  - Convex (UST-9123) head:
    - Harmonic imaging (THE - 4 bands, ExPHD - 4 bands),
    - Operating frequency range: from 2.0 to 6.0 Mhz, angle 60 degrees, radius R 60 mm,
    - Application in the following examinations: abdominal, obstetric - gynecological,
  - (UST-5413) linear head:
    - Harmonic imaging (THE - 4 bands, ExPHD - 4 bands), trapezoidal,
    - Operating frequency range: from 4.0 to 13.0 Mhz, head length 38 mm,
    - Application in the following examinations: vascular, small organs, musculoskeletal,
  - Mitsubishi P95 videoprinter,
  - DVD LG recorder,
  - Power cord,
- Dimensions: 72 x 45 x 155 cm,
- Weight: 80 kg,
- **It has up-to-date overview and is ready to operate,**
- **Provided with a 12-month valid Technical Passport (service report),**
- **Guarantee:**
  - **6 months for the domestic market (Poland),**
  - **3 months for the international market,**
  - **Possible guarantee extension for extra fee, up to 12 months for both, domestic and international market,**
- Financing possibilities (Poland only): Installments, leasing, loan,