

## THE AFFORDABLE ULTRASOUND SCANNER WITH COLOR DOPPLER FUNCTION

 **KUT-301**



CONVEX PROBE



LINEAR PROBE



MICROCONVEX PROBE



TRANSVAGINAL PROBE



### FULLY DIGITAL COLOR ULTRASOUND SYSTEM

#### PERFORMANCE FEATURES

- ➔ European quality standard
- ➔ High-resolution 15" LCD monitor
- ➔ Intelligent and ergonomic design
- ➔ Optimized, smooth workflows
- ➔ BW/CFM/CW/PDI modes
- ➔ Connectors for three transducers
- ➔ Document management system and connection to DICOM 3.0
- ➔ Selection of various transducers

KALAMED GMBH IS  
CERTIFIED ACCORDING TO  
**ISO 13485:2012**

## TECHNICAL DATA

Transducer frequency	2.0 – 12.0 MHz
Display mode	B, 2B, 4B, M, B + M, CFM / CW / PDI
Focusing modes	Dynamic focusing, acoustic lens focusing, multipoint focusing
Measurement methods	Dynamic apodization, dynamic aperture, dynamic frequency scanning, multi-acoustic beam
Pre-processing	Low-noise preamplifier, TGC, wave filter, image averaging, line averaging
Post-processing	Gamma correction, histogram, DSC (digital scan conversion), edge enhancement, noise suppression, equalization, image optimization, grayscale transformation, pseudo-color, color persistence, etc.
Display functions	Freeze image on/off, left-right reversal, top-bottom reversal, polarity reversal, image rotation (90°/270°), pseudo-color
Transformation and acoustic field control	Sound power, focus position, scan angle, frame rate, depth, dimensions of the scan area
Grayscale	256
Frame rate max.	70 frames / s
Measurement range	≥ 320 mm
Line density	Max. 256 lines / image
Monitor	15" color LCD monitor
Video output	PAL-D, S-Video, NTSC, composite
Digital scanning converter	1024 x 768 x 8 bit
Body marking	112 body markings with transducer position
General measurements	2D distance, area, volume, angle, M distance, time, slope, speed, heart rate
Image memory	Hard drive for mass storage of images, permanent storage of at least 10,000 images
Cine loop	Playback function
Biopsy	Biopsy guidance (optional)
Settings	Date, time, patient name, device name, user name, etc., user-defined annotations, arrow and body markings
Software	Software packets for abdomen, obstetrics, gynecology, urology, cardiology, fetal heartbeat, orthopedic surgery, structures near the surface, direct creation of diagnosis report based on measurement results
Power consumption	240 VA
Continuous operation	≥ 8 hours
Dimensions	910 mm x 660 mm x 1323 mm (D x W x H)
Weight	62 kg

FLOOR UNIT



## PERFORMANCE FEATURES

The KUT-301 is a fully digital color ultrasound system with connectors for three transducers. The KUT-301 uses patented, fully digital technology to deliver high-resolution images with the highest degree of diagnostic accuracy. The user-friendly keyboard and efficient workflow facilitate daily operation for the user. The KUT-301 is equipped with the latest innovative ultrasound technology. It offers various storage options such as an internal hard drive, CD-RW and USB stick and enables data transfer to the HIS using DICOM 3.0.

## YOUR KALAMED DISTRIBUTOR