

## MODERN PORTABLE BLACK AND WHITE ULTRASOUND SYSTEM FOR THE HIGHEST DEGREE OF RELIABILITY

 **KUP-101**



### FULLY DIGITAL BLACK AND WHITE ULTRASOUND SYSTEM

#### PERFORMANCE FEATURES

- ➔ European quality standard
- ➔ Intelligent and ergonomic design
- ➔ Optimized, smooth workflows
- ➔ Highest performance despite the compact design
- ➔ For mobile use with integrated battery
- ➔ Connectors for two transducers
- ➔ Various memory options:  
Hard drive / USB stick / DICOM interface
- ➔ Convex, linear, microconvex and  
transvaginal transducers (128 elements)

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


**CONVEX  
TRANSDUCER**

**LINEAR  
TRANSDUCER**

**TRANSVAGINAL  
TRANSDUCER**
**TROLLEY**


## TECHNICAL DATA

Display mode	B, B/B, 4B, B/M, M
Focusing mode	Acoustic lens focusing, multipoint focusing, point-to-point focusing
Grayscale	256
Frame rate	max. 60 frames/s
Monitor	LCD, resolution: 800 x 600
Video output	PAL-D, NTSC, VGA
Measurement range	≤ 240 mm
DICOM 3.0 interface (optional)	Storage of individual images and multiframe images in the DICOM format. Supports DICOM 3.0
Depth gain compensation	Overall gain continuously adjustable, 8 adjustable depth compensation controllers, TGC curve display
Sound power	20 - 100% adjustable
Digital scanning converter	576 x 460 x 8 bits
Dynamic range	30 - 100 dB
Zoom	21 levels adjustable, 4 levels for acoustic zoom and PIP (picture-in-picture)
Body marking	100 types, indication of transducer position
General measurements	Distance, area/scope, volume, angle, ratio, orthopedics, stenosis, profile, heart rate, time, EF Slope
Software	Pregnancy, urology, cardiology
Settings	Date, week, time, name of patient, name of physician, name of hospital, transducer frequency, depth, scan angle, focus position, frame rate, depth compensation, sound power, single image averaging, line averaging, edge enhancement, dynamic area, gamma correction, sex, body marking, arrow of transducer position, full image editing, notes, etc.
Power supply	200 - 240 V ~, 50/60 Hz
Power consumption	80 VA
Continuous operation	≥ 8 hours
Dimensions	440 mm x 420 mm x 355 mm (H x W x D)
Weight	6.5 kg

## PERFORMANCE FEATURES

The KUP-101 is a fully digital, black / white ultrasound system which features an affordable price and which is designed for portable use. The KUP-101 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 innovative design of the portable device ensures a light weight of only 6.5 kg, including the integrated battery. The KUP-101 is your reliable partner wherever you would like to use it. The KUP-101 offers various storage options such as an internal hard drive and USB stick and enables data transfer to the HIS using DICOM 3.0.

## YOUR KALAMED DISTRIBUTOR

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