



THE AFFORDABLE ENTRY-LEVEL ECG DEVICE FOR EVERY PHYSICIAN



DIGITAL 3-CHANNEL ELECTROCARDIOGRAPH FOR AC AND BATTERY OPERATION

- ${igearrow}$ European quality standard
- ${} {igodot}$ Simultaneous acquisition of 12 ECG leads
- ⊕ 3.8" ECG display for 12 leads
- ⊖ Automatic ECG measurement

- ⊕ ECG interpretation (option)
- ECG rhythm analysis
- \odot Internal memory for 12 ECG files
- \odot SD card (option) for 250 ECG files







PATIENT CABLE WITH 4 MM BANANA PLUG

TECHNICAL DATA

Safety standard



EXTREMITY CLAMP ELECTRODES



CHEST WALL SUCTION ELECTRODES

PERFORMANCE FEATURES

The KES-301 is a small and lightweight ECG device which is equipped with a 3-channel printer. The clear LCD display is used to check patient data and for a detailed display of all 12 ECG leads. The KES-301 supports 5 languages: ENG/ FR/GER/SP/ITA. Recording formats from 1-channel to 3-channel are available; these can be selected in the automatic recording mode. This mode also enables the selection of an option with 1 channel + 1 rhythm lead which can be recorded as a continuous waveform, as needed. Various printing formats are available for measurements and analyses.

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Acquisition mode	Simultaneous acquisition of 12 ECG leads
Input circuit	potential-free, defibrillation protection
A/D converter	12 bit
Time constant	≥3.2s
Frequency range	0.05 Hz - 165 Hz
Sensitivity	Auto; 2.5; 5; 10; 20; 40 (mm/mV) ± 5%
Input impedance	≥50M (10Hz)
Power input circuit	≤ 50 mA
Input voltage range	±5mVp-p
Calibration peak	1 mV ± 2 %
Depolarization voltage	± 500 mV
Noise	<15 Vp-p
Filters	EMG filter: 25/45 Hz
	ADS filter: Yes/No
	HUM filter: Yes/No
CMRR	≥100 dB
Patient discharge current	< 10 µA
Printer	Thermal array printer
Printer paper	Thermosensitive roll paper
Paper width	63 mm
Writing width	55 mm
Recording speed	5; 6.25; 10; 12.5; 25; 50 mm/s±3%
Dimensions	345 mm x 300 mm x 80 mm
Weight	2.5 kg

IEC class I, type CF

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INTELLIGENT 6-CHANNEL ELECTROCARDIOGRAPH WITH COLOR TOUCHSCREEN

KES-601T



DIGITAL 6-CHANNEL ELECTROCARDIOGRAPH IDEAL FOR MEDICAL OFFICES AND HOUSECALLS

- ⊖ European quality standard
- ⊕ 5.7" color touchscreen
- ⊖ Easy data entry
- ⊖ Automatic ECG measurement

- \odot ECG interpretation (option)
- ${} {igodot}$ Versatile ECG memory functions
- ${} {igodot}$ Direct connection for HP laser printer
- ⊕ PDF export function via LAN (option)







PATIENT CABLE WITH **4 MM BANANA PLUG**

TECHNICAL DATA

Safety standard

Acquisition mode

Input circuit

A/D converter

Time constant

Sensitivity

Noise

Filters

CMRR

Printer

Printer paper

Paper width

Writing width

Dimensions

Weight

Recording speed Interfaces

Frequency range

Input impedance

Power input circuit

Input voltage range

Calibration peak

IEC class I, type CF Simultaneous acquisition of 12 ECG leads potential-free, defibrillation protection 24 bit ≥3.2 s 0.05Hz - 165Hz Auto; 2.5; 5; 10; 20; 40 (mm/mV) ±5% ≥50 M (10 Hz) ≤ 50 mA ±5mVp-p 1 mV ± 2% Depolarization voltage ±500 mV <15Vp-p EMG filter: 25/35/45Hz ADS filter: Yes/No HUM filter: Yes/No ≥ 120 dB Patient discharge current <10µA Thermal array printer or ext. HP laser printer (A4) Thermosensitive roll paper

5; 6.25; 10; 12.5; 25; 50 mm/s ± 3%

345 mm x 300 mm x 80 mm

EXTREMITY

CLAMP ELECTRODES



CHEST WALL SUCTION ELECTRODES

PERFORMANCE FEATURES

The KES-601T is a small and lightweight ECG device which is equipped with a 6-channel printer. The clear 5.7" color touchscreen display is used for easy entry of patient data and accurate display of all 12 ECG leads. The KES-601T supports 5 languages: ENG/FR/GER/SP/ITA. Various recording formats from 3-channel to 6channel are available; these can be selected in the automatic recording mode. ECGs may be saved on various media such as, for example, a USB stick or on the network (option). Clear ECG printouts are possible either via the integrated thermal printer or via a connected HP laser printer.

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112 mm 104 mm

USB/LAN

2.5 kg





INTELLIGENT 12-CHANNEL ELECTROCARDIOGRAPH WITH COLOR TOUCHSCREEN



DIGITAL 12-CHANNEL ELECTROCARDIOGRAPH FOR PRIVATE PHYSICIANS, MEDICAL OFFICES AND CLINICS

- ⊖ European quality standard
- ⊕ Easy data entry
- ⊖ Automatic ECG measurement

- Θ ECG interpretation + rhythm analysis
- Θ Versatile ECG memory functions
- ⊖ Direct connection for HP laser printer
- ⊕ PDF export function via LAN (option)







PATIENT CABLE WITH 4 MM BANANA PLUG

TECHNICAL DATA



EXTREMITY CLAMP ELECTRODES



CHEST WALL SUCTION ELECTRODES

PERFORMANCE FEATURES

The KES-121T is a high-quality 12channel ECG device which is equipped with a 216-mm thermal printer. The clear 7" color touchscreen display is used for easy entry of patient data and accurate display of all 12 ECG leads.

The KES-121T supports 5 languages: ENG/FR/GER/SP/ITA. Various recording formats from 3-channel to 12channel are available; these can be selected in the automatic recording mode. ECGs may be saved on various media such as, for example, a USB stick or on the network (option). Clear ECG printouts are possible either via the integrated thermal printer or via a connected HP laser printer.

Safety standard	IEC class I, type CF
Acquisition mode	Simultaneous acquisition of 12 ECG leads
Input circuit	potential-free, defibrillation protection
A/D converter	24 bit
Time constant	≥3.2 s
Frequency range	0.05 Hz - 165 Hz
Sensitivity	Auto; 2.5; 5; 10; 20; 40 (mm/mV) ± 5%
Input impedance	≥50M (10Hz)
Power input circuit	≤50mA
Input voltage range	±5mVp-p
Calibration peak	1 mV ± 2%
Depolarization voltage	± 500 mV
Noise	<15Vp-p
Filters	EMG filter: 25/35/45Hz
	ADS filter: Yes/No
	HUM filter: Yes/No
CMRR	≥ 120 dB
Patient discharge current	< 10 µA
Printer	Thermal array printer or ext. HP laser printer (A4)
Printer paper	Thermosensitive roll paper
Paper width	216 mm
Writing width	210 mm
Recording speed	5; 6.25; 10; 12.5; 25; 50 mm/s±3%
Interfaces	USB/LAN
Dimensions	345 mm x 280 mm x 90 mm
Weight	3.5 kg

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HIGH-END 12-CHANNEL ELECTROCARDIOGRAPH FOR RESTING AND STRESS ECG



DIGITAL 12-CHANNEL ELECTROCARDIOGRAPH WITH LARGE 12" COLOR TOUCHSCREEN IDEAL FOR REST AND STRESS ECG

- ⊖ European quality standard
- ⊖ Easy data entry
- ⊕ Automatic ECG measurement
- ⊖ ECG interpretation + rhythm analysis
- ⊕ Automatic ergometer control
- ${} {igodot}$ Versatile ECG memory functions
- ⊖ Direct connection for HP laser printer
- ⊖ PDF export function via LAN (option)







PATIENT CABLE WITH 4 MM BANANA PLUG

TECHNICAL DATA

Safety standard



EXTREMITY CLAMP ELECTRODES



CHEST WALL SUCTION ELECTRODES

PERFORMANCE FEATURES

The KES-121L is a high-end 12-channel ECG device which is equipped with a 216-mm thermal printer. Informative stress ECG examinations can be easily performed using the KES-121L. The large 12.1" color touchscreen display is used for easy entry of patient data and accurate display of all 12 ECG leads, even during stress. The KES-121L supports 5 languages: ENG/FR/ GER/SP/ITA. Various recording formats from 3-channel to 12-channel are available; these can be selected in the automatic recording mode. ECGs may be saved on various media such as, for example, a USB stick or on the network (option). Clear ECG printouts are possible either via the integrated thermal printer or via a connected HP laser printer.

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Acquisition mode	Simultaneous acquisition of 12 ECG leads
Input circuit	potential-free, defibrillation protection
A/D converter	24 bit
Time constant	≥ 3.2 s
Frequency range	0.05 Hz - 165 Hz
Sensitivity	Auto; 2.5; 5; 10; 20; 40 (mm/mV) ± 5%
Input impedance	≥50 M (10 Hz)
Power input circuit	≤ 50 mA
Input voltage range	±5mVp-p
Calibration peak	1 mV ± 2%
Depolarization voltage	± 50 0 mV
Noise	< 15 Vp-p
Filters	EMG filter: 25/35/45Hz
	ADS filter: Yes/No
	HUM filter: Yes/No
CMRR	≥ 120 dB
Patient discharge current	< 10 µA
Printer	Thermal array printer or ext. HP laser printer (A4)
Printer paper	Thermosensitive paper (roll or folded paper)
Paper width	216 mm
Writing width	210 mm
Recording speed	5; 6.25; 10; 12.5; 25; 50 mm/s±3%
Interfaces	USB/LAN
Interfaces Dimensions	USB/LAN 420 mm x 324 mm x 112 mm

IEC class I, type CF

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INNOVATIVE PC-ECG SOLUTION NOW ALSO FOR HOUSECALLS

KEC-1000



HIGH-QUALITY 12-CHANNEL PC-ECG SYSTEM WITH USB OR WIFI CONNECTION

PERFORMANCE FEATURES

- ${igodot}$ European quality standard
- ${} \Theta$ Simultaneous acquisition of 12 ECG leads
- ⊖ Leads: Standard/Cabrera/Nehb/Frank
- ${} {igodot}$ ECG measurement and interpretation
- ${} {igodot}$ Very easy installation within 5 minutes
- ${igodot}$ User-friendly Windows network software

- ⊖ incl. 3-D vector cardiogram
- $\boldsymbol{\boldsymbol{\varTheta}}$ incl. DDT interface for office data processing system
- ⊖ Ergometry software (option)
- ${igenred}$ USB version with power supply via USB
- → WiFi version (optional) with power supply via rechargeable LiPo battery

KALAMED GMBH IS CERTIFIED ACCORDING TO ISO 13485:2012

KEC-1000



MEASUREMENT/INTERPRETATION





3-D VECTOR ECG

TECHNICAL DATA

24 bit	
12	
> 10 MΩ	
IEC 601	
5 kV (1 kV/ms)	
>120dB	
35/50/60/100/120 Hz	
3.2 s	
<0.5%, <1/2LSB	
± 400 mV	
12 Standard/Cabrera/Frank	
131 x 73 x 25 mm	
USB: 140g/WiFi: 160g	
	12 > 10 MΩ IEC 601 5 kV (1 kV/ms) > 120dB 35/50/60/100/120 Hz 3.2 s < 0.5%, <1/2LSB ± 400 mV 12 Standard/Cabrera/Frank 131 x 73 x 25 mm

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PERFORMANCE FEATURES

The KEC-1000 PC-ECG system can be installed very easily and quickly on any Windows office network. It can be connected to a PC via a conventional USB cable as well as via WiFi. Patient database and interfaces, e.g. DDT/HL7 to the office/hospital EDP system are likewise standard features, as is the easy integration into existing network environments.

The basic version KEC-1000 includes the most important functions which must be separately purchased in the case of most suppliers including, for example, network function, emergency ECG, 3-D vector ECG, ECG comparison and many others.

Any desired amount of patient data and ECG recordings are automatically stored centrally and can be displayed at any time on any PC within the inhouse network and printed on any conventional printer.

The software module ergometry including continuous saving of the entire ECG with HRV evaluation and the automatic control of the ergometer via the PC are available as an option for an additional charge. Most of the bicycle and reclining ergometers currently available on the medical device market have already been preconfigured in the software.







INNOVATIVE PC SPIROMETER SYSTEM NOW ALSO FOR MOBILE USE



PC SPIROMETER FOR PULMONARY FUNCTION TESTING ALSO SUITABLE FOR COPD AND ASTHMA

PERFORMANCE FEATURES

- ⊖ European quality standard
- ⊖ Connection to PC via USB / Bluetooth
- ⊖ Cost-efficient design, sturdy, mechanical components with long life
- ⊖ Use of reasonably priced standard bacterial filters or standard mouthpieces
- ⊖ No moving parts, automatic internal calibration
- Basy to clean and disinfect
- ⊖ Measurement of all standard pulmonary function parameters

KALAMED GMBH IS CERTIFIED ACCORDING TO

ISO 13485:2012

⊖ Report generator for clear printouts





ANIMATED SEQUENCES FOR CHILDREN





PRINTOUT ON WINDOWS PRINTER

ANDROID APP

TECHNICAL DATA

Flow meter	WavefFont principle (ultrasound)		
Tolerance	+/-3%		
Resolution	8 mL/s		
Flow range	+/-18L/s		
Digital sampling rate	100 MHz		
Power supply	USB/internal battery for Bluetooth		
Forced expiration and inspiration	FVC, FEV1, FEV0,5, FEV3, PIF and many others		
Inspiratory vital capacity	VC, IVC, ERV, TV and many others		
Respiratory threshold	MVV		
PC operating system	Windows XP / Windows 7		
Required interface	USB/Bluetooth		
Animated sequences for children	Candles/curtain		
Dimensions	150 x 60 x 27 mm		
Weight	USB: 100g/Bluetooth 200g		

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PERFORMANCE FEATURES

The KSP-1000 PC spirometer system can be easily installed on any Windows office network. It can be connected to a PC via a conventional USB cable as well as via Bluetooth. Patient database and interfaces, e.g. DDT/HL7 to the office/hospital EDP system are likewise standard features, as is the easy integration into existing network environments.

The KSP-1000 PC spirometer system offers various modes of measurement such as forced expiration and inspiration, measurement of the static vital capacity as well as maximum respiratory threshold values. Cumbersome spirometer calibration is no longer necessary.

Any desired amount of patient data and spirometer recordings are automatically stored centrally and can be displayed at any time on any PC within the in-house network and printed on any conventional printer.

The securely integrated measurement tube can be disinfected using a cold disinfection agent. This also allows for the use of conventional cardboard or plastic mouthpieces. However, we recommend the use of disposable bacteria filters from our range of accessories.







OUR NEWEST PORTABLE B/W ULTRASOUND SYSTEM WITH SUPERIOR IMAGE QUALITY AND INTEGRATED CW-DOPPLER



FULLY DIGITAL ULTRASOUND SYSTEM WITH 2 PROBE CONNECTIONS

- ${igodot}$ German quality standard
- ${igodot}$ Intelligent and ergonomic design
- ${} {igodot}$ Optimized, smooth workflows
- Highest performance despite the compact design
- O Also for mobile use

- ⊖ Connections for two transducers
- Various memory options:
 Hard drive / USB stick / DICOM interface
- Convex, linear, microconvex and transvaginal transducers (128 elements)
- ⊖ Speckle reduction technology (8 levels)



W KUP-101+



COMPREHENSIVE CONNECTION OPTIONS

TECHNICAL DATA







MOBILE EQUIPMENT CARRYING CASE (OPTION)

Display mode	B-mode THI / PW Dopp
Focusing mode	Acoustic lens focusing,
I ocusing mode	focusing, point-to-point
Grayscale	256 grayscale + 7 pseu
Frame rate	max. 100 frames/s
Monitor	15-inch high resolution
Video output	PAI-D, NTSC, DVI, S-VI
Measurement range	≤260 mm
DICOM 3.0 interface	Storage of individual im
	images in the DICOM for Overall gain continuous
Depth gain compensation	depth compensation co
Sound power	20 - 100% adjustable
Digital scanning converter	640 x 480 x 8 bits
Dynamic range	0 – 100 dB
Zoom	21 levels adjustable, 4
Body markers	>100 with indication of
Body markere	Distance, area/scope,
General measurements	ratio, orthopedics, sten
	EF Slope
Software	Pregnancy, urology, car
	Date, week, time, name
	cian, name of hospital,
	scan angle, focus positi
Settings	pensation, sound power
	averaging, edge enhanc
	correction, sex, body m
	position, full image edition
Power supply	200-240V~,50/60H
Power consumption	80 VA
Continuous operation	≥8 hours
Dimensions	440 mm x 420 mm x 35
Weight	8.5 kg



transducer frequency, depth, tion, frame rate, depth comer, single image averaging, line cement, dynamic area, gamma narking, arrow of transducer ting, notes, etc. Ηz

55 mm (H x W x D)



PERFORMANCE FEATURES

The KUP-101+ is a high-quality, fully digital Ultrasound system at an low price designed for stationary as well as mobile use. The KUP-101+ Ultrasound uses innovative, fully digital technology to deliver high-resolution images with the highest possible degree of diagnostic accuracy. The backlit keyboard and efficient work flow simplify daily operation for the user. The portable device is not only innovative in its design but with 8.5 kg (including integrated battery) very light in weight. The KUP-101+ is rugged and reliable wherever you are using it.

The KUP-101+ offers many storage options such as an internal hard drive and USB stick and enables data transfer to a PDMS using DICOM 3.0.

YOUR KALAMED SALES AND SERVICE PARTNER

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MODERN, PORTABLE COLOR ULTRASOUND DOPPLER SYSTEM WITH UNBEATABLE IMAGE QUALITY



FULLY DIGITAL ULTRASOUND SYSTEM WITH 2 PROBE CONNECTIONS

- ${igodot}$ German quality standard
- ${igedown }$ Intelligent and ergonomic design
- ${} {igodot}$ Optimized, smooth workflows
- Highest performance despite the compact design

- igodot Connections for two transducers
- Various memory options:
 Hard drive / USB stick / DICOM interface
- Convex, linear, microconvex and transvaginal transducers (128 elements)
- ⊖ Speckle reduction technology (8 levels)



🕖 😥 KUP-111



COMPREHENSIVE CONNECTION OPTIONS

TECHNICAL DATA

Display mode

Focusing mode

Grayscale Frame rate Monitor Video output Measurement range

DICOM 3.0 interface

Depth gain compensation

Sound power Digital scanning converter Dynamic range Zoom Body markers

General measurements

Software

Settings

Power supply Power consumption Continuous operation Dimensions Weight



COMPACT AND EASY TO TRANSPORT



MOBILE EQUIPMENT CARRYING CASE (OPTION)

B-mode THI / CFM / PDI / PW Doppler / M mode Acoustic lens focusing, multipoint focusing, point-to-point focusing 256 grayscale + 7 pseudo-color functions max. 100 frames/s 15-inch high resolution LCD, resolution: 1024x768 PAL-D, NISC, DVI, S-VIDEO ≤ 260 mm Storage of individual images and multiframe images in the DICOM format. Supports DICOM 3.0 Overall gain continuously adjustable, 8 adjustable depth compensation controllers, TGC curve display 20-100% adjustable 640 x 480 x 8 bits 0 - 100 dB 21 levels adjustable, 4 levels for acoustic zoom >100 with indication of transducer position Distance, area/scope, volume, angle, ratio, orthopedics, stenosis, profile, heart rate, time, **EF** Slope Pregnancy, urology, cardiology, pediatrics 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. 200-240V~, 50/60Hz 80 V A ≥8 hours 440 mm x 420 mm x 355 mm (H x W x D)



PERFORMANCE FEATURES

The KUP-111 is a high-quality, fully digital colour Doppler system at an affordable price designed for stationary as well as mobile use. The KUP-111 uses innovative, fully digital technology to deliver high-resolution images with the highest possible degree of diagnostic accuracy. The backlit keyboard and efficient work flow simplify daily operation for the user. The portable device is not only innovative in its design but with 8.5 kg (including integrated battery) very light in weight. The KUP-111 is rugged and reliable in wherever you are using it. The KUP-111 offers many storage options such as an internal hard drive and USB stick and enables data transfer to a PDMS using DICOM 3.0.

YOUR KALAMED SALES AND SERVICE PARTNER

8.5 kg

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Kalamed Medical Systems

POLYMED GROUP 🗳 SUISSE

PORTABLE COLOUR DOPPLER ULTRASOUND SYSTEM IDEAL FOR THE MODERN PRAXIS AND CLINIC



DIGITAL ULTRASOUND-SYSTEM WITH 2 PROBE CONNECTORS

CAPABILITIES:

- Θ Complies to German quality standards
- $\ensuremath{\varTheta}$ Intelligent and ergonomic design
- ⊖ Optimal and quick workflow
- ↔ Maximum performance / compact design
- ⊖ Tiltable LCD Monitor

- ⊖ Connection for 2 transducers
- ⊕ Wide range of data and image storing options Hard disk / USB stick / DICOM interface
- Convex-, Linear-, Phased Array- and Transvaginal transducers (128 elements)
- ⊖ Speckle Reduction Technologie (8 steps)

W KUP-211



COMPREHENSIVE CONNECTION OPTIONS

TECHNICAL DATA

COMPACT AND EASY TO TRANSPORT



MOBILE EQUIPMENT CARRYING CASE (OPTION)

Display mode B- / CFM / PDI / PW+CW Doppler / M mode Acoustic lens focusing, multipoint Focusing mode focusing, point-to-point focusing Grayscale 256 grayscale + 7 pseudo-color functions Frame rate max. 200 frames/s Monitor 15-inch high resolution LCD, resolution: 1024x768 PAL-D, NTSC, DVI, S-VIDEO Video output Measurement range ≤260 mm Storage of individual images and multiframe **DICOM 3.0 interface** images in the DICOM format. Supports DICOM 3.0 Overall gain continuously adjustable, 8 adjustable Depth gain compensation depth compensation controllers, TGC curve display Sound power 20 - 100% adjustable 640 x 480 x 8 bits Digital scanning converter Dynamic range 0 - 100 dB 21 levels adjustable, 4 levels for acoustic zoom Body markers >100 with indication of transducer position Distance, area/scope, volume, angle, General measurements ratio, orthopedics, stenosis, profile, heart rate, time, **EF Slope** Software Pregnancy, urology, cardiology, pediatrics Date, week, time, name of patient, name of physician, name of hospital, transducer frequency, depth, scan angle, focus position, frame rate, depth com-Settings pensation, 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. 200-240V~, 50/60Hz Power supply Power consumption 140VA

Continuous operation ≥8hours 400 mm x 400 mm x 150 mm (H x W x D) 400 mm x 400 mm x 150 mm (open keyboard) 11.7kg including 2 probes

Weight

Dimensions

KUP211/V0/2016/01

Zoom

YOUR KALAMED SALES AND SERVICE PARTNER

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CAPABILITIES

The KUP-211 is a high-grade full digital colour Doppler system with excellent picture quality, designed for stationary as well as mobile use.

Thanks to innovative and full digital technology the KUP-211 is able to produce high grade picture for best possible diagnostic value. A backlit keyboard and efficient mode of operation help the user economising his daily tasks. Innovative design makes it possible to reduce the weight to only 11.5 kg, making the KUP-211 easy to transport. The KUP-211 is a reliable instrument extremely flexible in its use. The KUP-211 offers many ways in storing your data on either the internal hard disk, or a USB stick and allows data transmission to a data management system via DICOM 3.0 or Sono-GDT.







THE AFFORDABLE ULTRASOUND SCANNER WITH COLOR DOPPLER FUNCTION



FULLY DIGITAL COLOR ULTRASOUND SYSTEM

- $\boldsymbol{\varTheta}$ European quality standard
- Θ High-resolution 15" LCD monitor
- $\boldsymbol{\boldsymbol{\varTheta}}$ Intelligent and ergonomic design
- ${igodot}$ Optimized, smooth workflows

- ⊖ BW/CFM/CW/PDI modes
- ${} {igodot}$ Connectors for three transducers
- Document management system and connection to DICOM 3.0
- Θ Selection of various transducers



W KUT-301

TECHNICAL DATA

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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 trans- formation, 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, gyneco- logy, 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	910mm x 660mm x 1323mm (D x W x H)
Weight	62kg



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 varous storage options such as an internal hard drive, CD-RW and USB stick and enables data transfer to the HIS using DICOM 3.0.

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KUT301/V1/2014/05







KUT- 401

Color Doppler Ultrasound System

Excellent Image Processing Technology

- 3D/4Dimaging
- ePure
- eFCI
- eSCI
- eSpeed
- eView
- THI

In today's clinical environment, you need a machine combined with performance and versatility to help you make more for the patients.

From normal diagnosis and report analysis to video and report record, the patients need more in every stage of their visits than ever before. Kalamed makes all the capabilities needed for growing practices to help you expand your clinical applications.

Superior Image Quality

- Superior B-mode Imaging
- ePure Unique Speckle Reduction Technology
- eSpeed One Key Optimization
- eFO Frequency Compounding Image
- eSCSpatial Compounding Image
- eView Panoramic Imaging
- Self-adaptive Color Artifact Clearance
- Virtual Trapezoidal Imaging
- Auto Trace Calculation PW
- 2D with Harmonic Imaging
- Pulsed-Wave Doppler
- Power Doppler Imaging
- Continuous Wave (Upgradable)
- Multi-Beam Former
- 3D Imaging with Multilane Views
- 4D Image



With the advanced features of KUT-401, you could have more confidence to replace your old ultrasound systems and expand your offerings with an additional system, without limit of constrained budget to be more distinguishing in your area.

Improved Productivity

- One-buttonImage Optimization
- Menu Optimization
- Comprehensive Clinical Applications
- Patient Information Management System
- · Efficient Workflow to Perform Better and Quicker
- Shortcut Keys for Workflow Facilities
- Easy Data Recording
- Diagnostic Report Generated Automatically
- USB Ports
- DICOM 3.0
- DVD-RW

More Comfortable & Convenient

- Adjustable High-resolution LCD Monitor
- Fully Articulated Arm
- · Highly Interactive Control Layout
- The Footrest for Stress Relieving
- Integrated Handle for Easy Moving
- · Four Probe Connectors for Multi-applications

We try to make you feel comfortable in every stage of diagnosing, whether sitting or standing, you can make the relevant controls right at your fingertips to experience ease and simple, stress-free operation.

With the fully articulated arm, you are able to move the monitor to facilitate suitable working postures and reduce repetitive stress injuries.



The KUT-401 was designed with optimal workflow to help you focus on your patients. With our intelligent and easy learning user interface, you could learn all the advanced imaging and measurement technologies in a fast way.

In addition, the automatic image optimization technology can help you reduce exam time and minimize keystrokes, freeing you from repetitive tasks.



Abdomen

Clinical Applications

Gynecology

Obstetric

- Early Pregnancy
- Middle-later Pregnancy
- Fetus Cardiology

Vascular

- Periphery Artery
- Periphery Vein
- Carotid
- Jugular

Abdomen

- Adult Abdomen
- Adult Liver
- Adult Gallbladder
- Adult Spleen
- Kid Abdomen

Urology

- Kidney Ureter
- Bladder Prostate
- Cardiology
 - Adult Cardiology
 - Kid Cardiology
- Small parts
 - Mammary Glands
 - Thyroid
 - Eye ball
- Orthopedics
 - Hip Joint
 - Meniscus
 - Joint Cavity
 - Spine
- Transcranial Doppler





Obstetric





Gynecology





Vascular





Image Modes

M-mode B-

mode

Anatomic M

CFM (Color Flow Imaging)

PW (Pulsed Wave Doppler)

Duplex for Simultaneous

- B+PW
- B+CFM
- B+PDI
- B+CFM Comparison
- B+PDIComparison
- B+ Direction PDI
- B+3D
- B+4D
- B+CW

Triplex Mode

- B+CFM+PW
- B+PDI+PW

Quad Mode

B+B+B+B

B/CFM+B/CFM+B/CFM+B/CFM

B/PDI+B/PD+ B/PDI+B/PDI

		1/00 /00
	Gynecology	KPC-406
512	Obstetrics	Convexprobe
China Salar	Pediatric	2,0 - 6,0 MHz 128 elements
	Abdominal	
	Vascular	
	Urology	
	Small parts	KPL-410
and the second se	Breast	Linearprobe
	VasculaR	7,5 - 12,0 MHhz 128 elements
	Orthopedics	
Contract of the second se	MSK	
	Gynecology	KTV-260
	Obstetric	Transvaginalprobe
	Urology	5,0 - 9,0 MHz 128 elements
	Caphalic	5,0 - 9,0 MHZ 120 elements
-	Capitalic	
	Abdominal	KMC-450
1	Pediatric	Microconvex probe
and the second sec	Cephalic	2,0 - 5,0 MHz 96 elements
	Transcranial	
-	Cardiac	
	Abdominal	KMC-480
and the second	Pediatric	Microconvex probe
and the second second	Cephalic	5,0 - 8,0 MHz 80 elements
	Transcranial	
	Cardiac	
	Cardiac	KPA-410
and the second		Phased array probe
		2.0-5.0 MHz
		2.0 0.0 WH 12
	Fetal face	KP4-401
	Fetal spine	4D-Sonde für KUT-401

Other Ultrasound products from Kalamed



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PROFESSIONAL PATIENT MONITORING DOES NOT NEED TO BE EXPENSIVE





LIGHT WEIGHT VITAL SIGN PATIENT MONITOR

- ⊕ Preconfigured screens
- ⊖ Very easy operation
- (\Rightarrow) HR derived from ECG and SPO₂
- ⊖ Clear 7" colour display
- Θ 5 channel waveform display

- ⊖ ECG, RESP, SPO₂, NIBP, TEMP, PR
- ⊖ Optional connection to central monitor software
- ⊖ Optional printer can be connected at the USB port
- \odot All sensors included in price
- $\ensuremath{\boldsymbol{\Theta}}$ Handle for bed mounting included





SIDE VIEW - RIGHT

SIDE VIEW - LEFT

TF

PERFORMANCE FEATURES

The KMO-101 patient monitor is ideal for monitoring vital signs like ECG, SPO₂, NIBP, hearth rate, respiratory rate and temperature. Optional sensors for paediatric and neonatal application are available. Mounting holes to attach to wall mounts or poles. Up to 1,000 hours of all trends and tables can be recorded and saved. All curves can be saved and displayed for up to 60 hours. 2,000 groups of arrhythmia events data with corresponding HR, TEMP, SPO2 and Resp value. Using the integrated Li-ion battery, the device can be operated without a mains connection. The compact design also enables portable operation of the device.

				In much also and a second	104m)/n $15m)/n$
TECHI	NICAL SPECIFICAT	TONS		Input dynamic range	
	Technique	Oscillometric		HR range Accuracy	20 ~ 300 bpm ± 1 % or ± 2 bmp, whichever is greate
	Measurement range	<i>Systolic pressure:</i> Adult: 40 ~ 260 mmHg Pediatric: 40 ~ 230 mmHg Neonate: 40 ~ 130 mmHg		HR alarm delay time	
				Sensitivity selection	x1/2, x1, x2 tolerance: ≤5%
		Diastolic pressure: Adult: 20 ~ 200 mmHg		Sweeping speed	12.5 mm/s, 25 mm/s, 50 mm/s, tolerance: ≤ 10%
		Pediatric: 20~160mmHg	ECG	ECG noise level	≤ 30 µVP-P
NIBP		Neonate: 20 ~ 100 mmHg <i>Mean arterial pressure:</i> Adult: 26 ~ 220 mmHg Pediatric: 26 ~ 183 mmHg Neonate: 26 ~ 110 mmHg		ECG input loop current	≤0.1µA
				Input impedance	≥5 MΩ
				Common-mode rejection ratio	≥89 dB
	Accuracy	Average deviation ≤ ± 5 mmHg standard deviation ≤ ± 8 mmHg		Time constant	Monitoring mode ≥ 0.3 s Diagnostic mode ≥ 3.2 s
	Mode	Manual, automatic		-	Monitoring mode 0.5 ~ 40 Hz
	Measuring range	25.0°C~45.0°C		Frequency response	Diagnostic mode 0.05 ~ 75 Hz
ТЕМР	Accuracy	±0.2°C	RESP	Measuring range	0 ~ 120 rpm
ICIVIP	Responding time	≤ 150 s		Accuracy	± 5% or ± 2 rpm, whichever is greater
	Quick temp (opt.)	<20s (skin), <2s (ear)	OTHE		CIEICATIONS
	Transducer	dual-wave length LED	UTIL	OTHER TECHNICAL SPECIFICATIONS	
SPO₂	SPO ₂ range	35%~100%		Power supply	100 ~ 240 VAC, 50/60 Hz
	Capability	0.4% ~ 5%		Li-ion battery	14.8 V 2200 mAh

Display

Alarming

Standard Configuration

Optional Configuration

Communication

from 70% to 100% 30~240 bpm PR range PR Accuracy ±2bpm or ±2%, whichever is greater

Arms less than 3% for SPO₂ range

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& Pulse Rate SPO2 Accuracy

Monitoring

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7 inches TFT colour LCD

ECG, RESP, SPO2 NIBP, TEMP, PR CO2 Nellcor SPO2, Trolley,

Wall-mount, Sun Tech NIBP, Central monitoring system, External printer

with 800 x 480 pixel

Audible-visual alarm

Serial / Ethernet



PROFESSIONAL PATIENT MONITORING DOES NOT NEED TO BE EXPENSIVE



AFFORDABLE 12,1" VITAL SIGN MONITOR

- ⊕ 12,1" high resolution colour TFT display
- ⊕ 5 Channel waveform display
- ECG, Resp, SPO₂, NIBP, 2 Temp, PR
 Optional IBP-EtCO₂
- ⊖ Arrhythmia & ST segment analysis
- ⊕ Up to 800 groups parameter data & 24 hr. ECG waveform storage and recall
- ⊕ 480 hrs. graphic and tabular trends for all parameter

- Adult/paediatric/neonatal measuring mode and accessories
- Protection against interference from defibrillator and electrosurgical knifes
- igodot Visual and audible alarms with easy view Alarm light
- ⊖ built-in rechargeable battery
- ⊕ 4 Configurations: Basic, including Printer, including touch screen, including touch screen and printer

(W) KMO-121



SIDE VIEW - RIGHT

SIDE VIEW - LEFT

Automatic measurement by

intelligent oscillating method

Neonate mode: 120 mmHg

Systolic pressure:

Systolic ± 10 % Diastolic ±10% MAP ± 10%

1~240 min

<10s

±0.2°C

0,4%~5%

90%~99%, ±2%

70%~99%, ±2%

40%~99%,±2%

30~250 bpm

±2bpm

Manual, Auto, STAT

15.0°C~45,0°C

dual-wave length LED 35%~100%

<30 seconds (typical adult cuff)

Adult and infant mode: 300 mmHg

Adult and infant: 25 ~ 265 mmHg Neonate: 25 ~ 135 mmHg Diastolic pressure:

Adult and infant: 12 ~ 220 mmHg

Adult and infant: 18 ~ 245 mmHg Neonate: 18 ~ 120 mmHg

Neonate: 12 ~ 110 mmHg Mean arterial pressure:

TECHNICAL SPECIFICATIONS

Measuring method

Cuff inflation time

Initial cuff inflation

Measuring range

Pressure

Accuracy

Mode

Intervals

Accuracy

Transducer

SPO₂ range

Capability

& Pulse Rate SPO, Accuracy

PR range

PR Accuracy

Automatic measuring

Measuring range

NIBP

TEMP

SPO,

Monitoring

PERFORMANCE FEATURES

The KMO-121 patient monitor is ideal for monitoring vital signs such as ECG, SPO₂, none invasive blood pressure, respiratory rate and temperature. Optionally Invasive blood pressure and $ETCO_2$ (end Tidal CO_2) can be measured. Sensors for Adults, Infants and Neonates are available making the KMO-121 a flexible multiuse instrument. With 12,1" the KMO-121 has a large and crisp colour TFT LCD display allowing easy view of the data. 480 hours of trends in graphic and tabular form can be recorded and displayed.

	HR Measurement	± 0.4 mVp ~ ± 3 mVp
	HR range	20 ~ 250 bpm
	Accuracy	±1% or ±2 bmp, whichever is greater
	HR alarm delay time	≤ 12s
	Sensitivity selection	Auto, x1/2, x1, x2, x4 tolarance: ≤5%
	Sweeping speed	12,5 mm/s, 25 mm/s, 50 mm/s, tolarance: ≤10 %
ECG	ECG noise level	≤ 30µVP-P
200	ECG input loop current	≤ 0,1µA
	Input impedance	≥ 5 MΩ
	Common-mode rejection ratio	≥ 80 dB
	Time constant	Monitoring mode ≥ 0,3s Diagnostic mode ≥ 3,2s
	Frequency response	Monitoring mode 0,5 ~ 25Hz Diagnostic mode 0,05 ~ 75Hz
	Monitoring range	0 ~ 120 rpm
	Accuracy	±10%
RESP	Alarm range	0 ~ 100 bpm Alarm tolerance: ± 10 %

OTHER TECHNICAL SPECIFICATIONS

Power supply	100~250VAC, 50/60 Hz
Power consumption	<80 VA
Display mode	12" Color LCD, Touchscreen (Option)
Alarming mode	Audible-visual alarm
Networking por	Ethernet port
Standard Configuration	ECG, RESP, SPO2, NIBP, 2-TEMP, PR
Options	2xIBP, EtCO2, Nellcor SPO2, printer



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AFFORDABLE SURGICAL CO2 LASER SYSTEM SUITABLE FOR EVERY MEDICAL OFFICE



KALAMED GMBH IS CERTIFIED ACCORDING TO

ISO 13485:2012

CLEARLY LAID OUT CONTROL PANEL

HIGH-PERFORMANCE CO2 LASER WITH SUPER PULSE AT A SUPER PRICE

- ⊖ Unrestricted ease of operation
- High level of patient comfort thanks to painless surgery
- 🕑 Enables the most precise and scar-free treatments
- (b) No bleeding and improved visibility in the surgical field
- ⊖ Appealing, ergonomic design
- ⊖ Very low maintenance costs





INCLUDES TWO HAND PIECES





INCLUDES TWO SETS OF PROTECTIVE GOGGLES

SAFETY FOOT SWITCH



REFLECTOR ARM WITH 7 ARTIC-ULATIONS AND HAND PIECE

TECHNICAL DATA

CO ₂ laser
Closed CO ₂ laser
10,600 nm
Continuous Super pulse
Continuous (cw) single (s) pulsed (pw)
Continuous 1 - 25 W super pulse: 0.5 - 5 W
100-nm lens: 1 mm 50-nm lens: 0.2 mm
0.1-1.00 s on/off in adjustable increments
655 nm, adjustable intensity
Reflector arm with 7 articulations and hand piece
220 - 240 V ~, 50/60 Hz
Water cooling with closed circuit
400 mm x 460 mm x 960 mm (W x D x H)
45kg

PERFORMANCE FEATURES

The KLC-101 CO₂ laser system has proven its efficacy for treatment in the areas of general surgery, dermatology, plastic surgery, urology, dental medicine, obstetrics and gynecology. It has gained acceptance as the preferred system for a variety of methods. You will come to value our multipurpose system in your daily work and your patients will be more than satisfied with the treatment result.

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