

## PROFESSIONAL PATIENT MONITORING DOES NOT NEED TO BE EXPENSIVE

 **KMO-101**



### LIGHT WEIGHT VITAL SIGN PATIENT MONITOR

#### PERFORMANCE FEATURES

- ➞ Preconfigured screens
- ➞ Very easy operation
- ➞ HR derived from ECG and SPO<sub>2</sub>
- ➞ Clear 7" colour display
- ➞ 5 channel waveform display
- ➞ ECG, RESP, SPO<sub>2</sub>, NIBP, TEMP, PR
- ➞ Optional connection to central monitor software
- ➞ Optional printer can be connected at the USB port
- ➞ All sensors included in price
- ➞ Handle for bed mounting included



SIDE VIEW – RIGHT



SIDE VIEW – LEFT

## TECHNICAL SPECIFICATIONS

NIBP	Technique	Oscillometric
	Measurement range	<i>Systolic pressure:</i> Adult: 40 ~ 260 mmHg Pediatric: 40 ~ 230 mmHg Neonate: 40 ~ 130 mmHg <i>Diastolic pressure:</i> Adult: 20 ~ 200 mmHg Pediatric: 20 ~ 160 mmHg Neonate: 20 ~ 100 mmHg <i>Mean arterial pressure:</i> Adult: 26 ~ 220 mmHg Pediatric: 26 ~ 183 mmHg Neonate: 26 ~ 110 mmHg
	Accuracy	Average deviation $\leq \pm 5$ mmHg standard deviation $\leq \pm 8$ mmHg
	Mode	Manual, automatic
	Measuring range	25.0°C ~ 45.0°C
TEMP	Accuracy	$\pm 0.2^\circ\text{C}$
	Responding time	$\leq 150$ s
	Quick temp (opt.)	$< 20$ s (skin), $< 2$ s (ear)
SPO <sub>2</sub>	Transducer	dual-wave length LED
	SPO <sub>2</sub> range	35% ~ 100%
	Capability	0.4% ~ 5%
	SPO <sub>2</sub> Accuracy	Arms less than 3% for SPO <sub>2</sub> range from 70% to 100%
& Pulse Rate Monitoring	PR range	30 ~ 240 bpm
	PR Accuracy	$\pm 2$ bpm or $\pm 2\%$ , whichever is greater

## PERFORMANCE FEATURES

The KMO-101 patient monitor is ideal for monitoring vital signs like ECG, SPO<sub>2</sub>, NIBP, heart 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, SPO<sub>2</sub> 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.

ECG	Input dynamic range	$\pm 0.4$ mVp ~ $\pm 5$ mVp
	HR range	20 ~ 300 bpm
	Accuracy	$\pm 1\%$ or $\pm 2$ bpm, whichever is greater
	HR alarm delay time	$\leq 10$ s
	Sensitivity selection	x1/2, x1, x2 tolerance: $\leq 5\%$
RESP	Sweeping speed	12.5 mm/s, 25 mm/s, 50 mm/s, tolerance: $\leq 10\%$
	ECG noise level	$\leq 30$ $\mu\text{VP-P}$
	ECG input loop current	$\leq 0.1$ $\mu\text{A}$
	Input impedance	$\geq 5$ M $\Omega$
	Common-mode rejection ratio	$\geq 89$ dB
	Time constant	Monitoring mode $\geq 0.3$ s Diagnostic mode $\geq 3.2$ s
	Frequency response	Monitoring mode 0.5 ~ 40 Hz Diagnostic mode 0.05 ~ 75 Hz
	Measuring range	0 ~ 120 rpm
	Accuracy	$\pm 5\%$ or $\pm 2$ rpm, whichever is greater

## OTHER TECHNICAL SPECIFICATIONS

Power supply	100 ~ 240 VAC, 50/60 Hz
Li-ion battery	14.8 V 2200 mAh
Display	7 inches TFT colour LCD with 800x480 pixel
Alarming	Audible-visual alarm
Communication	Serial / Ethernet
Standard Configuration	ECG, RESP, SPO <sub>2</sub> , NIBP, TEMP, PR CO <sub>2</sub> , Nellcor SPO <sub>2</sub> , Trolley,
Optional Configuration	Wall-mount, Sun Tech NIBP, Central monitoring system, External printer

## YOUR KALAMED DISTRIBUTOR

Global Trade Medical Supplies  
<http://globaltrade31.com/products/kalamed-systems/>  
[info@globaltrade31.com](mailto:info@globaltrade31.com)  
 Amsterdam: +31 6 16 26 46 28  
 Egypt: +2 012 034 034 70  
 Yemen: +967 735 073 768

### Kalamed GmbH

Karl-Benz-Strasse 8 . 72124 Pliezhausen . Germany  
 Tel +49 (0)7127-977 6340 . Fax +49 (0)7127-977 6347  
[info@kalamed.de](mailto:info@kalamed.de) . [www.kalamed.de](http://www.kalamed.de)