

PC-3000 MULTI-PARAMETER PATIENT MONITOR



ECG, RESP, SpO₂,
NIBP, 2-TEMP, PR

- **35134 PC 3000 MULTI-PARAMETER PATIENT MONITOR**
- 7" high resolution colour TFT display, 5-channel waveform display
- standard parameters: ECG, RESP, SpO₂, NIBP, 2-TEMP, PR; Arrhythmia analysis and ST segment analysis
- up to 800 groups parameter data & 24-hour ECG waveform storage and recall
- 480-hour graphic and tabular trends for all parameters
- 7-channel ECG simultaneous waveforms display
- protection against interference from defibrillator, electrosurgical knife
- adult / Pediatric measurement modes
- visual and audible alarms; networking capability

GIMA code	ACCESSORIES - SPARES
35135	Adult SpO ₂ probe - spare
35136	Pediatric SpO ₂ probe
35137	ECG cable - spare
35138	Li-ion battery -spare
35140	NIBP cuff - arm circumf. 10-19 cm - pediatric
35142	NIBP cuff - arm circumf. 18-26 cm - pediatric XL
35139	NIBP cuff - arm circumf. 25-35 cm - adult - spare
35143	NIBP cuff - arm circumf. 33-47 cm - adult XL

STANDARD ACCESSORIES

1 ECG cable	1 NIBP cuff
1 SpO ₂ probe	1 Body surface temperature transducer
1 AC power Adapter	1 Power cable
1 Li-ion battery	10 Disposable electrodes
User manual	

TECHNICAL SPECIFICATIONS

NIBP Monitoring	
Measuring method:	Automatic measurement by oscillating method
Cuff inflation time:	<10 seconds (typical adult cuff)
Initial cuff inflation pressure:	Adult mode: <180mmHg Infant mode: <120mmHg
Overpressure protection limit:	Adult mode: 300mmHg Infant mode: 240 mmHg
Measuring range	
Systolic pressure:	Adult: 40-225 mmHg Infant: 40-200 mmHg
Diastolic pressure:	Adult: 20-215 mmHg Infant: 20-165 mmHg
Mean arterial pressure:	Adult: 10-195 mmHg Infant: 10-150 mmHg
Measurement accuracy:	Systolic $\pm 10\%$ Diastolic $\pm 10\%$ MAP $\pm 10\%$
Measurement mode:	Manual, Auto, STAT
Automatic measuring:	1~240min
Intervals:	interval tolerance: <10s
TEMP Monitoring	
Measuring range, accuracy:	25.0°C~45.0°C, $\pm 0.2^\circ\text{C}$
SpO₂ & Pulse Rate Monitoring	
Transducer:	dual-wave length LED
SpO ₂ measuring range:	35%~100%
Low perfusion capability:	0.4%~5%
SpO ₂ display accuracy:	70%~100% $\pm 3\%$
PR measuring range:	30bpm~250bpm
PR measuring accuracy:	$\pm 2\text{bpm}$
ECG Monitoring	
Heart rate measurement:	$\pm 0.4\text{mVp} \sim \pm 5\text{mVp}$
Heart rate display range:	20bpm~250bpm
Display accuracy*:	$\pm 1\%$ or $\pm 2\text{ bpm}$, whichever is greater
Heart rate alarm delay time:	$\leq 10\text{s}$
Sensitivity selection:	Auto, $\times 1/2$, $\times 1$, $\times 2$, $\times 4$ tolerance: $\leq 5\%$
Sweeping speed:	12.5 mm/s, 25mm/s, 50mm/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:	$\geq 5\text{M}\Omega$
Common-mode rejection ratio:	$\geq 89\text{dB}$
Time constant:	Monitoring mode $\geq 0.3\text{s}$ Diagnostic mode $\geq 3.2\text{s}$
Frequency response:	Monitoring mode: 0.5Hz~25Hz Diagnostic mode: 0.05Hz~75Hz
RESP Monitoring	
Monitoring range, accuracy:	0rpm~120rpm, $\pm 5\%$ or 2rpm, whichever is greater
RESP alarm range:	0bpm~100bpm
	Alarm tolerance: $\pm 10\%$
Other Technical Specifications	
Power supply:	100~250Vac, 50/60Hz
Power consumption:	<80 VA
Display mode:	7 inches TFT color LCD
Alarming mode:	Audible-visual alarm
Networking port:	LCD serial/Net port



Wide option of screen views available

*Accuracy defined as-mean-square root value of deviation according to ISO 9919

WRIST PATIENT MONITOR WITH BLUETOOTH



Dimension: 7x7x2.6 cm
(wrist strap not included)
Net/Gross weight:
130 g / 500 g

35152

Supplied with 3 leads
ECG cable, blood pressure cuff (for circumference 18-26 cm) rubber oxygen probe (length 33 cm), battery charger 5V1A, lithium battery 3.7V 1,000 mAh (for 8 hours continuous work).

Phone
not included

- **35152 WRIST PATIENT MONITOR - available June 2014**
- Pocket size multiparameter monitor for ECG, heart rate, respiration, blood pressure, oxygen saturation monitoring and recording. Can be used in hospitals, clinics and at home. Low power consumption. Bluetooth 4.0 technology allows data transfer to a free App available at App store. Do not support Android.

TECHNICAL SPECIFICATIONS

ECG	
ECG waveform gain:	0.5 mm/mV, 1.0 mm/mV, 2.0 mm/mV
Scanning speed:	7.5 mm/s, 15 mm/s
Heart rate and alarm range:	Adult: 30~250 bpm (beats/min) Resolution: 1 bpm (times/minute) Sensitivity: >200 uV (Peak-to-Peak value)
Trigger level threshold:	200 nV (Lead II)
Input impedance:	>5 M Ω
Common-mode rejection ratio:	$\geq 90\text{ dB}$
Leakage current:	<10 uA
Input signal range:	$\pm 5\text{ mV}$
ECG abnormal types:	Tachycardia, Bradycardia, VPC, Bigeminal rhythm, Trigeminal rhythm, RonT, VTAC, Escape Beat and Sinus arrest
Frequency response:	Filter: 0.67 - 40 Hz Guardianship: 0.05 - 40 Hz Detection: 0.05 - 100 Hz
Calibration signal:	6 mm/mV
ST segment measurement:	Measured range: -2.0 mV ~ +2.0 mV Precise: -0.8 mV ~ +0.8 mV; $\pm 0.02\text{ mV}$ or $\pm 10\%$ Renew period: 10 s
Non Invasive Blood Pressure (NIBP)	
Measurement:	Oscillometric method
Measuring range:	30 ~ 280 mmHg $\pm 5\text{ mmHg}$ or $\pm 5\%$
Overvoltage protection:	Yes
Alarm:	Systolic / diastolic alarm error of $\pm 2\text{ mmHg}$ Atrial premature function
Measuring wrist Week:	135 ~ 215 mm
Oxygen saturation (SpO₂)	
Measuring range:	40 - 99% $\pm 2\%$ (90-99%), $\pm 4\%$ (70-89%)
Alarm range:	50 - 99% ± 2 (30-80 bpm), ± 4 (80-150 bpm) ± 5 (150-240 bpm)
Pulse rate	
Measuring range:	30-240 bpm