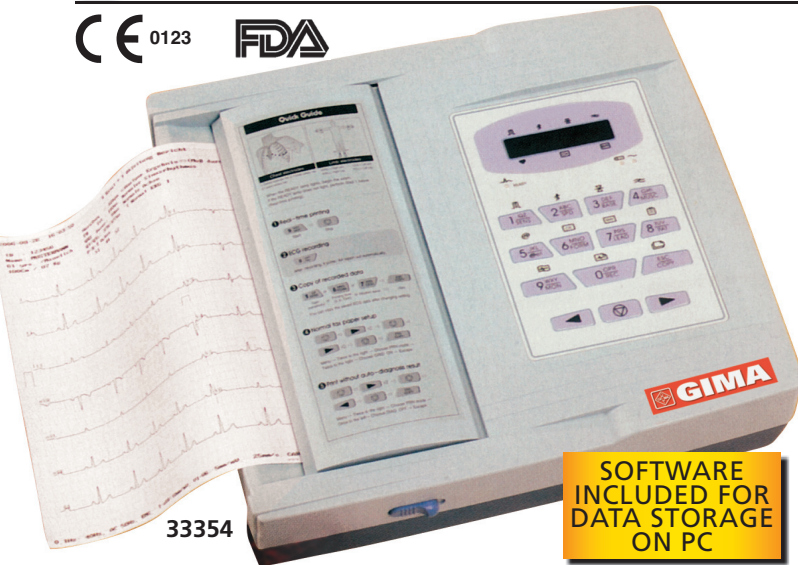


MULTI CHANNEL ECG WITH INTERPRETATION ON PAPER



33354

SOFTWARE INCLUDED FOR DATA STORAGE ON PC

- **33354 CARDIOGIMA 12 ECG - 3-6-12 channel**
Cost effective 12 channel resting ECG recorder without performance compromise. The simultaneous record of 12 channels has a high diagnostic value - all the 12 channels are shown at the same time. A4 size paper, one body type.
- Main Features:**
 - 12 leads simultaneous 10-second resting ECG with interpretation in only 60 seconds multilanguage.
 - Internal software+print in GB, FR, IT, DE, RU, TR, CN.
 - wide paper printing (A4 size thermal paper, fax paper is OK)
 - combined output of all relevant curves, patient data, date, time and instrument settings
 - **PC Connections**
Connection to PC with RS 232 port or LAN to submit recorded ECG signal to other specialist for evaluation (only a modem is needed)
 - **ECG filing system**
A fully configured PC-based software enables to record, print, change the settings of ECG's and save them in JPG format, which ensure compatibility with most EMR package.
 - **rechargeable batteries (optional)** with 1 hour capacity in normal use (about 100 ECG printouts)

TECHNICAL SPECIFICATIONS

ECG Leads:	3-6-12 channel illustration of ECG signals in continuous recording or 10 sec. recording with interpretation.
Dimension:	296x305.5x92.5 mm Approx 3 kg
Recording channel:	3, 6, 12 channel and 1 channel (60 sec.)
Sensitivity:	2.5, 5, 10, 20, auto (I~aVF: 10, W1~V6: 5) mm/mV
Printing speed:	12.5; 25; 50 mm/s
Filters:	AC (50/60 Hz, -20 dB or better), Muscle (25-35 Hz, -3 dB or better) Low pass filter (off, 40 Hz, 100 Hz, 150 Hz)
Display:	2x16 character LCD display
LCD display:	Sensitivity, speed filter status, HR, Printing form, rhythm lead
LED indicator:	Signal quality, power source, battery
Keyboard:	Membrane keyboard, alphanumeric and symbol available
Patient data:	ID, name, age, sex, height, weight
Basic measurement:	Heart rate, PR, QRS, QT/QTc, P-R-T axis
Recorder:	Thermal print head, thermal paper roll Report papers: A4: 215X297 mm (8.5"x11.7") Letter: 215x280 mm (8.5"x11")
Resolution:	vertical: 8 dots/mm, horizontal: 16 dots/mm
Electrical:	Internal noise: 20 µV (p-p) max Input circuit: floating input Isolated and defibrillation protected DC offset voltage: ≥ ± 300 mV Patient leakage current: < 10µA Frequency response 0.05-150 Hz
Power:	Power supply: AC or built-in battery (options) Power requirement: 100-240 Vac, 50/60 Hz, 1.0-0.5 A Power consumption: 60 W max
Battery capacity:	1 hour of normal use (approx. 100 automatic ECG printouts)
Communication:	PC Connection with RS-232 interface and lan
Safety:	Class I, Type BF
Conformity:	CE, FDA, KFDA, CFDA, NCC

Made in Korea

STANDARD ACCESSORIES

- | | |
|---------------------------------------|----------------------------|
| 1 PC software (GB/IT) | 1 ECG gel tube (250 ml) |
| 1 LAN cable | 1 Recording paper roll |
| 1 Patient cable - 10 leads | 1 Operation manual (GB/IT) |
| 4 ECG clip-on electrodes | |
| 6 Chest electrodes, suction for adult | |
| 1 Power cable | |



GIMA code	CARDIOGIMA 12 ACCESSORIES	
29534	Rechargeable battery - for 33354/33355/33357	33354 + 29519
32950	Thermal paper A4 - for 33354-5-7 - box of 5	
33328	ECG cable for 33354-5-7	
29519	Trolley for 33354-5-7	



DIGITAL 12 CHANNEL COLOUR ECG WITH WI-FI



33223

- **33223 12 CHANNEL ECG 1200G with WI-FI**
- 8" TFT display, 800x600 dots high resolution colour LED backlight
- simultaneous 12 leads acquisition and display
- digital signal technique, AC filter, baseline filter, EMG filter
- auto-analysis and auto-interpretation
- Multi-mode display and printing, such as 12, 6+1 (rhythm), 6, rhythm 12, rhythm 10, rhythm 8, rhythm 6. Manual, Freeze etc
- 0.5 built-in lithium rechargeable battery
- 2 USB and LAN Socket for uploading data to PC
- built-in flash memory. Stores more than 1,000 files
Multi-language internal software: GB, FR, IT, ES, PT, PL, SI, TR, RU, KZ, CN.
- **33227 RECHARGEABLE BATTERY - spare**
- **32967 PAPER ROLL 210 mm x 30 m**
- **33328 ECG CABLE - 10 leads - spare**



TECHNICAL SPECIFICATIONS

Input way	Floating and defibrillation protection
Lead	Standard 12 leads
Patient leak current	< 10 µA
Input impedance	≥ 50 MΩ
Frequency response	0.05 - 150 Hz (-3 - + 0.4 dB)
Time constant	≥ 3.2 s
CMRR	>60 dB, > 100 dB (adding filter)
EMG interference filter	25/35 Hz (-3 dB)
Thermal paper	210 mm x 30 m high-speed
Paper speed	Auto and rhythm record: 25, 50 mm/s, ±5% Manual record: 5, 6.25, 10, 12.5, 25, 50 mm/s, ±5%
Sensitivity selections	2.5, 5, 10, 20, 40 mm/mV, ±5%. Standard sensitivity is 10 mm/mV ±0.2 mm/mV.
Auto record	Record setup according to auto record format and mode, automatically changing leads, measuring and analyzing.
Rhythm record	Record setup according to rhythm record format and mode, automatically measuring and analyzing.
Manual record	Record setup according to manual record format, manually changing leads.
Measurement parameters	HR, P-R interval, P Duration, QRS Duration, T Duration, Q-T interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5), S(V1), R(V5)+S(V1)
Product safety type	Class I CF defibrillation and pacing protection
Size	334x320x85 mm
Power	AC: 100-240 V, 50/60 Hz DC: 14.8 V, 3700mAh rechargeable lithium battery

STANDARD ACCESSORIES

- | | |
|--|------------------|
| 1 ECG cable | 1 ground wire |
| 1 set limb electrode clamp | 1 paper roll |
| 1 set chest electrodes | Power connection |
| USB connection | |
| Rechargeable battery | |
| Software (same languages as internal software) | |
| Manual: GB, FR, IT | |

