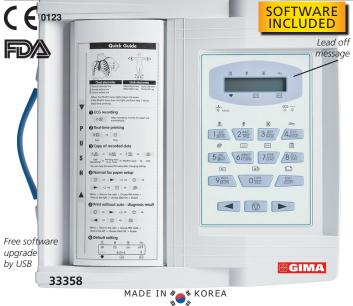
MULTI CHANNEL ECG WITH INTERPRETATION ON PAPER



• 33358 NEW 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.

- one touch operation for analyzing, storing and printing result - 12 leads simultaneous 10-second resting ECG

- over 130 kinds of interpretation results based on Minnesota code Internal software+print in GB, FR, IT, ES, DE, RU, TR, PL, PT, RO, KR. - 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 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 JPEG, PDF, XML format, which ensure compatibility with most EMR package. - rechargeable battery (optional) with 6 hour capacity

	TECHNICAL SPECIFICATIONS
ECG Leads:	3-6-12 channel illustration of ECG signals in continuous
	recording or 10 sec. recording with interpretation.
Size - weight:	200x300x97.5 mm - approx 3 kg
5	3, 6, 12 channel and 1 channel (60 sec.)
Sensitivity:	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)
	Base line drift (off 0.05, 0.1, 0.2 Hz - 3 dB or better) Low pass filter (off, 40 Hz, 100 Hz, 150 Hz)
Sampling rate:	analysis 500 samples/sec, digital 8,000 samples/sec
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
	: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")
Resolution:	Letter: 215x280 mm (8.5"x11") vertical: 8 dots/mm, horizontal: 16 dots/mm
Electrical:	Internal noise: 20 μ V (p-p) max input impedance: >50M Ω
Electrical.	Input voltage range: ± 5 mV CMRR: greater than 105 dB
	DC offset voltage: $\geq \pm 400 \text{mV}$ Patient leakage current: < 10µA
	Frequency response 0,05~150 Hz within -3 dB
	Isolated, defibrillation and ESU protected
Power supply:	AC or rechargeable lithium-ion 11.1 V 2600 mA battery (optional)
	Power requirement: 100-240 Vac, 50/60 Hz, 1.0-0.5 A
Pottony conocity:	Power consumption: 60 W max 6 hour of normal use (approx. 200 automatic ECG printouts)
Communication:	
	Class I, Type CF
Conformity:	CE, FDA, KFDA, CFDA, NCC
STANDARD ACCESSORIES	
1 PC software	6 Chest electrodes, suction for adult
1 LAN cable	1 Operation manual (GB/IT)
1 Patient cable - 4 ECG clip-on ele	
1 Power cable	
1 ECG gel tube (2	50 ml)
1 Recording pape	
GIMA	CARDIOGIMA 12 ACCESSORIES
code	
	rgeable lithium battery for 33358 - optional 33358
	rgeable battery for old 33354/33355
	nal paper A4 - for 33354-5-7-8 - box of 5 29519
	able for 33354-5-7-8
	V I (V 5555)/

29519 Trolley for 33354-5-7-8

DIGITAL 12 CHANNEL COLOUR ECG



33224



33224 12 CHANNEL ECG 1200G

- 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
- 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
- Multilingual internal software: GB, FR, IT, ES, PT, PL, SI, TR, RU, KZ, CN.
- 33227 RECHARGEABLE BATTERY spare up to S.N. 19120300473
- 33229 RECHARGEABLE BATTERY since S.N. 20030100001 spare
- 32967 PAPER ROLL 210 mm x 30 m
- 33328 ECG CABLE 10 leads spare

TECHNICAL SPECIFICATIONS Floating and defibrillation protection Standard 12 leads Input way Lead Patient leak current < 10 µA ≥ **50 M**Ω Input impedance Frequency response 0.05 - 150 Hz (-3 - + 0,4 dB) ≥ 3.2 s >60 dB, > 100 dB (adding filter) Time constant CMRR 25/35 Hz (-3 dB) 210 mm x 30 m high-speed EMG interference filter Thermal paper Auto and rhythm record: 25, 50 mm/s, ±5% Manual record: 5, 6.25, 10, 12.5, 25, 50 mm/s, ±5% Paper speed 2.5, 5, 10, 20, 40 mm/mV, ±5%. Sensitivity selections 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. Record setup according to rhythm record format Rhythm record and mode, automatically measuring and analyzing. Record setup according to manual record format, Manual record Manual record a setup according to manual record roman, 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) Class I CF defibrillation and pacing protection Product safety type 334x320x85 mm AC: 100-240 V, 50/60 Hz Size Power DC: 14.8 V, 3700mAh rechargeable lithium battery STANDARD ACCESSORIES 1 ground wire 1 ECG cable 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. IT