

NEO ECG - TABLET ECG

54230



• 54230 NEO ECG S120 - ECG TABLET

• 54231 NEO ECG T180 - ECG TABLET with printer

Light and portable ECG tablets for acquisition and displaying of 9/12 lead waveform, as well as heart rate detection. 7" (54230) or 10.1" (54231) high resolution colour touch screen, easy to operate. It can store, preview, review, edit and upload patient data through wireless transmission of ECG data via WiFi and mobile networks. Patient data can be exported to USB flash disk via USB connector.

- Glasgow algorithm
- 4 sampling modes: pre-sampling, real-time sampling, periodic sampling, and trigger sampling
- automatic pacing detection and marking
- auto RR analysis, HRV, medicine test, ECG event mode
- files in multiple formats: Carewell ECG, PDF, BMP, HL7, DICOM, SCP
- freezing of ECG waveform on the screen
- virtual keyboard and barcode scanning to insert patient information
- built-in thermal printer (54231 only)
- external DC power supply and built-in rechargeable battery

ECG leads:	9,12 synchronous acquisition
A/D resolution:	24 bits
Heart rate range:	30 bpm-300bpm ± 1
Sensitivity:	auto, 2.5, 5, 10, 20, 40 mm/mV, less than $\pm 5\%$ error
Printing speed:	5, 6.25, 10, 12.5, 25, 50 mm/s, less than $\pm 3\%$ error
Sampling rate:	32000 samples/sec
Filters:	AC (50-60 Hz, off), EMG (25-35-45 Hz off) ADS (0.01-0.05-0.32-0.67 Hz) Low pass filter (75-100-150-300 Hz off)
Frequency response:	0.01-350 Hz (+ 0.4-3.0 db)
Minimum detectable signal:	20 μ Vp-p

TECHNICAL SPECIFICATIONS

Electrical:	Internal noise: $\leq 12.5 \mu$ V Input impedance: $\geq 100 \text{ M}\Omega$ (10 Hz) Input circuit current: $\leq 10 \text{ nA}$ Calibration voltage: $1 \text{ mV} \pm 2\%$ Depolarization voltage: $\pm 900 \text{ mV}$, $\pm 5\%$ Common mode rejection: $\geq 140 \text{ dB}$ (AC filter on) $\geq 120 \text{ dB}$ (AC filter off)
Amplitude quantisation:	0.95 μ V/LSB
Recovery time after discharge:	$< 10 \text{ s}$
Display:	7" (54230) or 10.1" (54231) colour touch screen
Size - weight:	19.7x11.2x 2.6 cm - 0.8 kg (54230) 27.4x28.8x 11.1 cm - 2.5 kg (54231)



54231


**WITH BUILT-IN
PRINTER**

- recorder charging port (54231 only)
- multilingual selectable software: GB, FR, IT, ES, PT, DE, GR, PL.

GIMA code	ACCESSORIES
54233	Rechargeable battery 5000 mAh for 54230, 54231 - spare
33328	ECG cable - spare
32950	Thermal paper 20mx216mm for 54231 - spare
54234	Bluetooth thermal printer - 3 channels for 54230
32969	Thermal paper 20m x 80mm for 54234 - spare
54235	Carrying bag for 54230

STANDARD ACCESSORIES

1 ECG cable (IEC, $\varnothing 4 \text{ mm}$, banana connector)
6 pcs adult precordial suction electrodes ($\varnothing 4 \text{ mm}$)
4 pcs adult limb clamp electrodes
1 thermal roll paper - 20mx216 mm (54231 only)
1 rechargeable lithium battery
1 power adapter
Multilingual manual: GB, IT (FR, ES, PT, DE, GR, PL, RU on www.gimaitaly.com).
Carrying bag for 54230 and 54234

12 CHANNEL ECG WITH PC SOFTWARE

• 33219 12 CHANNEL ECG - 1212G - with software

It can collect 12-lead ECG signal simultaneously and print ECG waveform with built-in thermal printing system. It features in recording and displaying ECG waveform in auto/manual mode; measuring, analyzing and diagnosing ECG waveform parameters automatically.

- 1280x800 dots, 10.1" high resolution colour LCD display
- display of 3/6/12-lead ECG to observe abnormal heart rhythm
- powered by AC/DC or built-in rechargeable lithium battery
- up to 10-hour standby and continuous print over 3-hours
- record up to 1,000 ECG waveforms
- auto-measurement and auto-interpretation of routine ECG provide measurement results and auto-diagnosis conclusion
- auto-diagnosis conclusion for HR, PR Interval, P Duration, QRS Duration, T Duration, QT/QTc Interval, P/QRS/T Axis, R(V5), S(V1), R(V5)+S(V1) amplitude
- built-in large memory can store at least 4000 medical records,
- functions of LAN, USB cable transmission. Automatically upload cases, download reports and print them
- historical medical records can be exported to other electronic file formats (dat, pdf, xml, bmp, jpeg, png etc.)

CD software in GB, FR, IT, ES, PL, RO, SI, TR.

• 33218 RECHARGEABLE BATTERY - spare

• 32967 PAPER ROLL 210 mm x 30 m - spare

• 33328 ECG CABLE - 10 leads - spare

1 lead cable	1 Power cord	User manual (GB, IT)
1 set limb electrodes	Thermal paper 210 mm x 20 m	1 Ground wire
1 set chest electrodes	Rechargeable battery	CD software

33219

Size:
34x32xh 8.6 cm
Weight: 5 kg

CONTEC™


TECHNICAL SPECIFICATIONS

Input way:	Floating and defibrillation protection
Lead:	standard 12 leads
Patient leakage current:	$< 10 \mu\text{A}$
Input impedance:	$\geq 2.5 \text{ M}\Omega$
Paper speed:	12.5 mm/s, 25 mm/s, 50 mm/s, $\pm 5\%$
Sensitivity selection:	5, 10, 20 mm/mV, accuracy is $\pm 2\%$; standard sensitivity: 10 mm/mV $\pm 0.2 \text{ mm/mV}$
Auto record:	record setup according to auto record format and mode, automatically change leads, automatically measure and analyze
Rhythm record:	record setup according to rhythm record format and mode, automatically measure and analyze
Manual record:	record according to manual record format
Product safety type:	Class I type CF defibrillation-proof function applied part
Power supply:	rechargeable lithium battery, 14.8 V 5200 mAh
Frequency:	100-240 V, 50/60 Hz, $\leq 150 \text{ VA}$