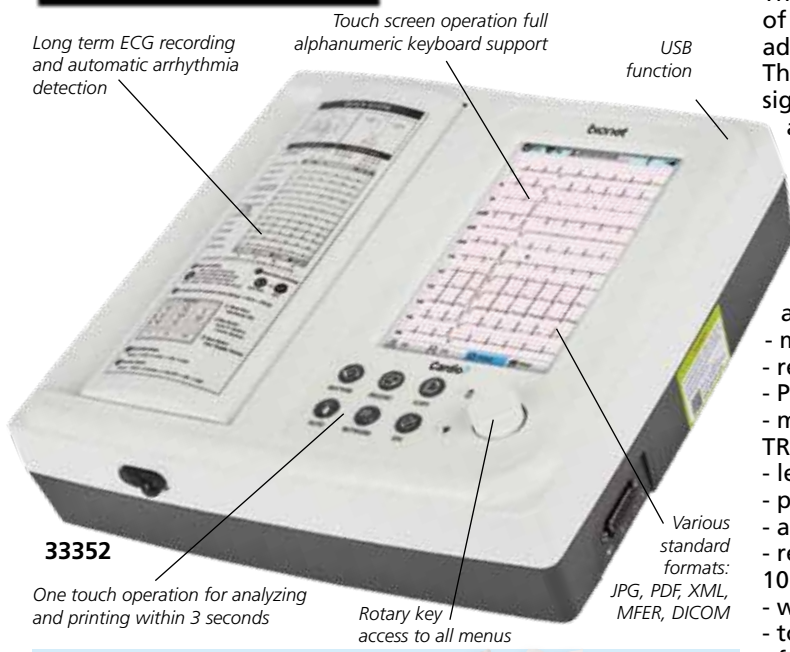


# NEW CARDIO 7: 12 CHANNEL RESTING ECG WITH TOUCH SCREEN

**SOFTWARE BM5 PLUS**  
for data storage on PC



## • 33352 NEW ECG CARDIO 7: 12 CHANNEL ECG WITH TOUCH SCREEN

The new Cardio 7 is an electrocardiogram (ECG) device capable of measuring and recording 12 channels of cardiac signals in adult and pediatric patients.

The device enables operators to record and print cardiac signals, review them using various viewing modes, perform automatic detection of cardiac conditions.

It is also possible to manage the digital files by transferring the stored data to a networked PC. This equipment is protected against the effects of cardiac defibrillator discharge.

- over 120 kinds of interpretation results based on advanced Minnesota code, HRV (Hearth Rate Variability analysis)
- memory for up to 200 patients
- real-time preview monitor
- PC compatible through LAN or USB flash drive
- multilingual selectable software (GB, FR, IT, ES, DE, PT, PL, RO, TR, RU, KR)
- lead fault message
- pace maker detection
- automatic arrhythmia detection
- record rhythm from 1 channel for an extended time (1, 5 and 10 minutes) then print it on A4 or letter size printing paper
- wide and clear colour 7" TFT LCD (800x480)
- touch screen for easy operation
- full disclosure function

- 32950 THERMAL PAPER A4 - box of 5 rolls
- 29534 RECHARGEABLE Ni-MH 12 V BATTERY for old model 33357 (up to S.N. T7xxxxxxx) - optional
- 29536 RECHARGEABLE Li-Ion BATTERY for 33357 (since S.N. T8xxxxxxx) and 33352 - spare
- 29519 TROLLEY
- 33328 ECG CABLE

### STANDARD ACCESSORIES

- Patient cable - 10 leads
- LAN cable
- 1 bottle of ECG gel (70 g)
- 1 power cord
- manual (GB, IT)
- 1 paper roll
- 4 limb electrodes
- 6 chest limb electrodes
- BM5 Plus (GB, IT)
- Rechargeable Li-ion battery



### TECHNICAL SPECIFICATIONS

ECG leads:	10 lead, 12 channel simultaneous ECG and acquisition	length:	A4 297 mm (11.7") letter 279 mm (11")
Dimension:	300x200xh 97.5 mm, approx. 3.5 kg	A4 report paper:	210x300 mm (8.5"x11")
Recording channel:	3 channels + 1 rhythm, 3 channels + 3 rhythm, 6 channels + 1 rhythm, 12 channels, 6 channels + st map 1 channel	Vertical:	8 dot/mm (0.125 mm pitch)
Gain:	2.5, 5, 10, 20, auto (I-aVF: 10, V1-V6: 5) mm/mV	Electrical:	Internal noise: 20 µV (p-p) max
Printing speed:	5, 12.5, 25, 50, 100 mm/s	Input impedance:	≥50 MΩ
Sampling rate:	Analysis - 500 s Digital - 8,000 s	Input voltage range:	≥ ±5 mV
Filters:	AC (50/60 Hz, -20 dB or better)	Common mode rejection:	> 105 dB
	Muscle (25-35 Hz, -3dB or better)	DC offset voltage:	≥ ±400 mV
	Base line drift (0.05, 0.1, 0.2 Hz, -3 dB or better)	Patient leakage current:	< 10 µA
	Low pass filter: off, 40 Hz, 100 Hz, 150 Hz	Frequency response:	0.05 ~200 Hz in 3 dB
Display:	7" color TFT LCD display (800x480), 12 channels preview ID, HR, gain, speed, power status	Isolated defibrillation and ESU protected	
Monitor display:	ID, date, sensitivity, speed, filter, form, rhythm lead	Signal quality control:	Lead fault detection, signal saturation detection
User interface:	Touch screen (alphanumeric and symbol available), Keyboard, rotary push-knob (pop-up menu)	ECG data storage:	Pacemaker pulse detection
Patient data:	ID, name, age, sex, height, weight, smoke, race, department, room number, study...etc.	Power:	storage for 200 ECGs, built-in memory
Basic measurement:	Heart rate (30~300 bpm, ± 3 bpm), PR/RR int., QRS dur., QT/QTc int., P-R-T axis, SV1/RV5/R+5 amp.	Battery (Li-ion):	input: 100-240 V, 1.5-0.75 A, 50-60 Hz
Recorder:	Thermal print head, roll paper width: A4/Letter 215 mm (8.5")	output:	15 V, 4.2 A
		Replaceable and rechargeable, lithium ion, 10.8V, 3250mA	6 hours of normal use or print 200 ECG pages (12 channel format at 25 mm/s and 10 mm/mV)
		Communication:	Battery complete charge in 3 hours with power off
		Safety conformity:	PC connection with LAN, WiFi (option), USB flash drive, USB barcode scanner (option)
			Class I, Type CF, CE, CSA, FDA, KFDA, CFDA, CCC

## ECG CABLE COMPATIBLE WITH MOST ECG BRANDS

### • 33328 ECG cable - 10 leads

Long lasting, individually tested cable compatible with the following ECG machines:

**BIONET:** Cardiocare, Cardiotouch, Cardio 7  
**CARDIOLINE:** E1, E1R, E3, Delta 300, Delta 360, C3.

### **CARDIETTE (Elettronica Trentina):**

Autoruler 12/1, Autoruler 12/3, Excel 103, Excel 106, Astron Comp 1, Astron Comp 3, Astron Comp 6, Start 100 P, Start 100 H, Start 200, Start 200HV, AR600, AR 600 ADV, AR1200, AR1200ADV.

**CARDIORAPID CAMINA:** K111, K112, K33, K36, K300 M, K300 P, K600 P, K600 D, K130 B, K 130 D.

**CONTEC:** 100G, 300G, 600G, 1,200G

**EDAN:** Smart SE-1, SE-3

**ESAOTE:** P80, P8000

**GIMA:** CARDIOGIMA 1M, 3M, 6M, 12, 12M

**HP:** Pagewriter 1513, 154B/C, 1514D, 1515A/B, 1517A.

**KONTRON EKG P80**

**MACQUAIRE CT100, CT200.**

**M4 MEDICAL:** M traces

**NIHON - KOHDEN** Cardiofax 651, 6581, 8110.

**PROGETTI all models:** EPG junior, EPG view, EPG6 view, EPG6 view plus

**SCHILLER AT/1, AT/2, AT/3, AT/4, AT/5, AT/6,**

**AT/10, CS6, CS12, CS100, CV6, P80.**

