

Electrocardiograph

MeCA303i

12 Lead Resting ECG Analysis System.

12 Lead Interpretative ECG.

3Ch ECG Recording.

3 Inch Roll & Z-fold Type ECG Recording Paper.

4.3" Color TFT LCD (480x272)

Multi-language.

Internal and External (SD card) ECG Memory.

Lead-Fail, Pacemaker Pulse Detection.

Rechargeable Battery.

ECG Management PC Software (Mecalzyer).



| Model | MeCA812i | MeCA406i | MeCA303i |
|-------|----------|----------|----------|
|-------|----------|----------|----------|

Display

| | | |
|------------|----------------|----------------|
| LCD Type | 5.7", Mono | 4.3", Color |
| Resolution | 320 x 240 dots | 480 X 272 dots |

Computerized Electrocardiograph

| | | | |
|---------------------------------------|---------------------------|---|----------------------------|
| ECG Storage | Internal | 50 | 100 |
| | External(SD): | 5,000 | 5,000 |
| Acquisition & Analysis | | 12Leads Simultaneously | |
| Dynamic Range | | AC differential: $\pm 5\text{mV}$, DC offset: $\pm 300\text{mV}$ | |
| Sampling Rate(samples/second/channel) | | 1,000 | 2,000 |
| Frequency Response(Hz) | | 0.05 to 150 | 0.04 to 150 |
| Common Mode Rejection(dB) | | ≥ 100 | ≥ 100 |
| Input Impedance($M\Omega$) | | ≥ 50 | ≥ 10 |
| Communication | | RS232 or RJ45 | RS232 or RJ45(Option) |
| Firmware Upload | | Use the USB Memory Stick | |
| Filter(Hz) | AC Line | 50, 60 | 50, 60 |
| | Low Pass | 40, 100, 150 | 40, 100, 150 |
| | High Pass | 0.05, 0.16, 0.3, 0.5 | 0.04, 0.05, 0.16, 0.1, 0.3 |
| | Muscle | <input type="radio"/> | <input type="radio"/> |
| | Anti-Floating System(AFS) | <input type="radio"/> | <input type="radio"/> |

Writer

| | | | | |
|--------------------|---|----------------------------|----------------------------|--------------------------|
| Type | Thermal dot array (Voltage axis: 8dots/mm, Time axis: 16dots/mm) | | | |
| Number of Traces | 3, 6 or 12 user-selectable | 3 or 6 user-selectable | | |
| Sensitivity / Gain | 5, 10, 20mm/mV | | | |
| Speeds | 5, 10, 25, 50mm/sec | | | |
| Amplitude Accuracy | $\pm 5\%$ | | | |
| Speed Accuracy | $\pm 5\%$ | | | |
| Paper | Z-fold (WxLxsheets) | 282mmx215mm x200 sheets | 110mmx100mm x300 sheets | 80mmx80mm x300 sheets |
| | Roll (Length) | x | 110mmx30m | 80mmx30m |

Electrical

| | | | |
|------------------|---------------------------------------|--------------------------------------|---------------------------|
| Power Supply | AC or Battery operation | | |
| AC Input | 100-240VAC 50/60Hz, 110VA | 100-240VAC, 50/60Hz, 60VA | 100-240VAC, 50/60Hz, 70VA |
| Battery Type | 14.4V Rechargeable Ni-MH, 3,800mAh | 9.6V Rechargeable Ni-MH, 2,700mAh | |
| Battery Capacity | Printing @Automode | 200 records | 100 records |
| | Standby Time | 5 hours | 3 hours |

Physical

| | | |
|-----------------------|-------------------|------------------|
| Dimension (W x L x H) | 385mmx367mmx101mm | 311mmx242mmx85mm |
| Weight | 4.5kg | 2.4kg |

Safety

| | | |
|-------------------------|--|--|
| Classification | Class I, Internally powered | |
| Type of protection | Type CF with defibrillation protection | |
| Patient Leakage Current | $< 10\mu\text{A}$ | |