

HARTPRO 1

MDXUSA®
Medical Equipment
Solutions



Single channel ECG Printing

2.7" Monochrome display

Single Lead display

Recording and displaying ECG waveforms in auto/manual mode



MDX™ Instruments

Bridgeport, Connecticut, U.S.A

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Features

- 2.7" FSTN displays shows the working status and ECG waveform. Check the waveform before printing to save record paper.
- Output system: High-resolution thermal-array (32 dots/mm), it needs not be adjusted. Recording frequency Response: Up to 150Hz.
- The device can record exact single ECG waveform and remark. The mark includes: lead sign, sensitivity, paper speed, filter state.
- Under automatic mode, just press the button once, it starts record procedure, which can enhance your work efficiency
- The language of operation interface include include (Chinese, English, French, Italian, Turkish, Espanol, Deutsch, Russia)
- The keyboard's control is whole touch type, it's convenient to operate.
- Classification: Class I, CF defibrillator proof
- Power supply: AC/DC, rechargeable lithium battery inside.
- This instrument can record 160 pieces of ECG waveform and 4 hours, standby for 10 hours continually under the best DC state
- The figure of whole device is elegancy and gliding
- According to dependence degree of deleterious fluid, this device is belong to common device.
- Digital signal processor for effective inhibition of AC, EMG and DFT, receive the better ECG waveform.
- According to the working mode class, this device belongs to continuous operation equipment.



Technical Specification

- Input way: Floating and defibrillation protection
- Lead: Standard 12 leads
- Patient leak current: $<10\mu\text{A}$
- Sampling rate: 1000Hz
- A/D change: 10 Bit
- Frequency response: 0.05Hz~150Hz(-3dB, +0.4dB)
- Time constant: Time constant $>3.2\text{s}$
- CMRR: $>60\text{dB}$, $>100\text{dB}$ (With AC filter)
- Enduring polarization voltage: $\pm 500\text{mV}$
- Noise level: $\leq 15\mu\text{Vp-p}$
- EMG interference filter: 35Hz(-3dB)
- AC filter: 50Hz/60Hz($\geq 20\text{dB}$)
- Sensitivity choice: 5, 10, 20mm/mV, error: $\pm 5\%$. Standard sensitivity is 10mm/mV $\pm 0.2\text{mm/mV}$
- Recording way: Thermal printing system
- Auto-record: according the the record format and auto-mode to set, auto leads-changing, auto measurement.
- Manual record: according the record format to record, manual leads-changing.
- Specification of recording paper: 50mm(W) \times 20mm(L) High-speed thermal paper
- Paper speed: 25mm/s, 50mm/s, error: $\pm 5\%$
- Product safety type: Class I, type CF defibrillator proof
- Fuse Specification: 2 pcs $\phi 5 \times 20\text{mm}$ AC time lag;
- Power supply: AC: 100~240V, 50/60 Hz
DC: 7.4V, 2000 mAh rechargeable lithium battery

Accessories:

- ECG leads 1 set
- Limb electrode clamp 1 set
- Chest electrode 1 set
- Power connection 1 piece
- Recording paper 1 piece
- Ground wire 1 set
- User manual 1 piece

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