EKG Machine

AXIA TI89

ABOUT

The Axia Ti89 is a digital 12-channel EKG machine for use on adult and pediatric patients. The Ti89 features a user-friendly 8.9-inch color touchscreen display and supports data transfers to a PC using a LAN, USB drive, SD card, or wifi. ECG data can be saved in JPG or XML formats. The built-in printer lets medical professionals view and compare waveforms and analysis results on large thermal paper.

FEATURES

12-channel digital ECG

8.9-inch color touchscreen display

Automatic interpretation

Waterproof backlit alphanumeric silicone keyboard

Built-in thermal printer prints on 210mm x 140mm paper

SPECIFICATIONS

DIMENSIONS

Height: 3.1 in (8 cm)

Width: 10.24 in (26 cm)

Depth: 13.58 in (34.5 cm)

Weight: 10.14 lbs (4.6 kg)

ECG

Lead Standard: 12-lead, Nehb

Acquisition Mode: Simultaneous 12-lead

Record Format:

- **Standard leads:** z3×4, 3×4+1R, 3×4+3R, 6×2, 6×2+1R, 6×2+3R, 12×1;
- **Nehb lead:** 6×1, 3×2;
- **VCG:** 6×1+3, 3×2+3, 3×2+3+1R, 3×2+3+3R, Frank

Record Mode: Economic, Auto, Manual, Upload, Cycle, Trigger

Lead Format:

- **Standard leads:** 3×4, 3×4+1R, 6×2, 6×2+1R, 12×1
- **Nehb lead:** 6×1, 3×2
- **VCG:** 3×2+3, 6×1+3, Frank

Measurement Parameters:

- **Standard leads:** HR, PR interval, QRS duration, QT/QTc interval, P/QRS/T axis, RV5/SV1 voltage and RV5+SV1 voltage
- **Nehb lead:** HR, PR interval, P duration, T duration, QRS duration, QT/QTc interval, P/QRS/T axis, P amplitude

Long-term Recording Record for a long-term (30 s~300 s) and rhythm analysis

Filters: AC, low-pass, and high-pass filters

CMRR: >89dB, >100dB (with AC interference filter)

Input CIR current: ≤0.1 μA

Patient Leak Current: <10 μA

Time Constant: ≥3.2 s

Frequency Response: 0.05 Hz~250 Hz

Noise Level: ≤15 μVp-v

Sensitivity Threshold: 20 μVp-v

Signal Gain: 1.25 mm/mV, 2.5 mm/mV, 5 mm/mV, 10 mm/mV, 20 mm/mV, 40 mm/mV, 10/5 mm/mV, 20/10 mm/mV, Auto Gain (Auto Gain is just for the Automatic mode)

Calibration Voltage: 1 mV±5 %

Input Circuit: Floating circuit input

Input Impedance: ≥2.5MΩ (full-band)

Sampling Rate of Signals: 8000 Hz

RECORDER

Recorder: 8 points/mm, 40 points/mm

Recording Paper: 210mm×140mm-140P or 210mm×150mm-140P Z-fold paper

Paper Speed: (5, 6.25, 10, 12.5, 25, 50) mm/s, ±3%

WIRELESS NETWORK

Applicable Standard: IEEE 802.11b/g/n (2.4G) IEEE 802.11a/n (5G)

Frequency Range: 2.412 GHz~2.472 GHz 4.9 GHz~5.975 GHz

Band Width: 20~40MHz 20~40MHz

Radiated Power: +18dBm +13.5dBm

POWER

- **AC:** 100 ~ 240V, 50/60Hz, 50VA
- **DC:** 14.8V rechargeable lithium battery (3 hours of continuous run-time)