



## Product Features

- **Value without Compromise** — The ELI™ 230 electrocardiograph provides complete functionality in a portable, compact device. Easy to use and feature rich, the ELI 230 offers a valuable solution with capabilities such as signal quality, accurate and reliable ECG interpretation, and full-size printouts.
- **High-Resolution Color LCD** — High-resolution colour display provides real-time preview of 12-lead ECG and post-acquisition review of acquired ECG.
- **Distinguished Mortara VERITAS™ Resting ECG Interpretation Algorithm** — Widely recognised Mortara resting ECG interpretation algorithm uses gender and age specific criteria to provide a silent second opinion for resting ECG interpretation.
- **Choice of Wireless or Traditional ECG Acquisition** — ELI 230 offers a choice of either the innovative WAM™ wireless acquisition module or the AM12™ acquisition module. Both include replaceable lead wires, lead fail indicator, and remote control with buttons for ECG acquisition and rhythm printing.
- **Best 10** — ELI 230 automatically selects and displays the Best 10 seconds of ECG signal from the one-minute segment of internal full disclosure, reducing clinical review time and eliminating the need for repeat ECGs.
- **Diagnostic Quality** — Mortara technology features full diagnostic ECG quality with a high-fidelity acquisition sampling rate of 40,000 samples per second per channel, a benefit for accurate pacemaker detection.



## ELI 230 ELECTROCARDIOGRAPH

Feature	Specification
Instrument Type	12-lead electrocardiograph
Input Channels	Simultaneous acquisition of all 12 leads
Standard Leads Acquired	I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6
Waveform Display	Backlit, 1/4 VGA 320 x 240 LCD colour display 4+4 or 6+6 lead presentation
Input Impedance Input Dynamic Range Electrode Offset Tolerance Common Mode Rejection	Meets or exceeds the requirements of ANSI/AAMI EC11
Patient Leakage Current Chassis Leakage Current	Meets or exceeds the requirements of ANSI/AAMI ES1
Digital Sampling Rate	40,000 samples/second/channel used for pacemaker spike detection; 1,000 samples/second/channel used for recording and analysis
Optional Functions	VERITAS resting ECG interpretation algorithm with age and gender-specific criteria; connectivity with bidirectional communication; LDAP security and network encryption
Paper	Thermal roll paper; 210mm wide
Thermal Printer	Computer-controlled dot array; 8 dots/mm vertical
Thermal Printer Speeds	5, 10, 25, or 50 mm/s
Gain Settings	5, 10, or 20 mm/mV
Report Print Formats	Standard or Cabrera: 12, 6 or 3+1 channel
Rhythm Print Formats	12, 6 or 3 channel with configurable lead groups
Pacemaker Spike Detection	Pacemaker spike markers, for both atrial and ventricular rhythms, indicated on printouts
Frequency Response	0.05 to 300 Hz
Filters	High-performance baseline filter; AC interference filter 50/60 Hz; low-pass filters 40 Hz, 150 Hz, or 300 Hz
Lead Reversal Detection	Notification of possible lead reversal conditions, for both limb and chest leads, indicated on the display, prior to printing
A/D Conversion	20 bits (1.17 microvolt LSB)
Device Classification	Class I, Type CF defibrillation-proof applied parts
ECG Storage	Internal storage up to 20 ECGs; external storage to USB memory stick
LDAP Security and Network Encryption	Requires ELI Link software version 4.4.0 or greater
Weight	2.63 kg including battery (without paper)
Dimensions	28.58 x 19 x 7 cm
Power Requirements	Universal AC power supply (100-240 VAC at 50/60 Hz) 110 VA; internal rechargeable battery
Resolution	1.875 microvolt LSB
Connectivity	Review or print from ELI Link V3.1x

For more information, please contact your Welch Allyn representative or **Customer Care** on **1800 650 083**.



**Clinical excellence. Connected solutions. Continuous innovation.**  
Welch Allyn Cardiology is proud to be powered by Mortara.

Welch Allyn Australia  
Suite 4.01, 2-4 Lyonpark Road  
Macquarie Park NSW 2113  
AUSTRALIA

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