

# ELI 250

MORTARA'S NEXT GENERATION 12-LEAD RESTING ELECTROCARDIOGRAPHS

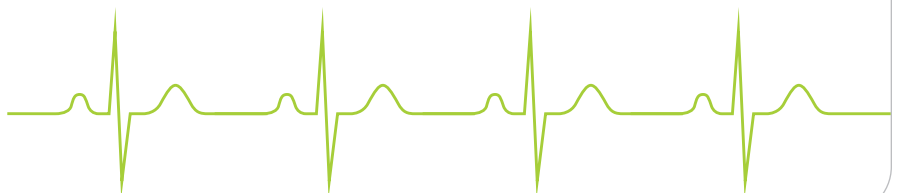
## PRODUCT FEATURES

- **Backlit LCD Display**  
High-resolution display provides real-time preview of 12-lead ECG and post-acquisition review of acquired ECG.
- **Mortara VERITAS™ Resting ECG Interpretation Algorithm**  
Internationally recognized Mortara resting ECG interpretation algorithm with adult and pediatric criteria provides a silent second opinion for 12-lead ECG interpretation.
- **Full Keyboard**  
Alphanumeric elastomer keyboard also includes dedicated "one-touch" buttons for ECG acquisition, rhythm printing, and ECG transmission.
  - **Full-Size, Z-Fold Paper**  
Full-size paper (8.5" x 11" or A4 supported) output includes multiple standard or Cabrera print options including 3+1, 3+3, 6-channel, and 12-channel outputs.
- **Internal Storage**  
Internal storage for up to 60 digital ECG records. Optional expanded storage for up to 150 digital ECG records.
- **Connectivity Options**  
Bidirectional communication via serial port, internal modem, LAN, or wireless LAN with security for WEP, WPA-PSK, WPA2, and PEAP.
- **Information Exchange Interfaces**  
Patient demographics, ECG orders, and discrete and displayable results are exchanged with Mortara's E-Scribe™ and Athena products as well as third party EMR, HIS, and PACS systems via XML, PDF, UNIPRO, and DICOM®.
- **Barcode Reader**  
Optional barcode scanning for fast and accurate data entry.

12-LEAD resting electrocardiograph



 **Mortara**





# ELI™ 250 ELECTROCARDIOGRAPH

## MORTARA INSTRUMENT, INC.

7865 North 86th Street  
Milwaukee, WI 53224  
U.S.A.

Tel: 414.354.1600  
Tel: 800.231.7437  
Service: 888.MORTARA  
Fax: 414.354.4760

## MORTARA RANGONI EUROPE, SRL

(European Headquarters)  
Via Cimarosa 103/105  
40033 Casalecchio di Reno (BO)  
Italy

Tel: +39.051.298.7811  
Fax: +39.051.613.3582

[www.mortara.com](http://www.mortara.com)

ISO 13485 CERTIFIED



### WARRANTY + SERVICE

Mortara Instrument is committed to the highest level of customer support. Please contact us for the program which will be best suited for your needs.

| FEATURE   | SPECIFICATIONS*  |
|---|--|
| <b>INSTRUMENT TYPE</b>  | 12-lead electrocardiograph   |
| <b>INPUT CHANNELS</b>   | Simultaneous acquisition of all 12 leads   |
| <b>STANDARD LEADS ACQUIRED</b>  | I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6  |
| <b>WAVEFORM DISPLAY</b>   | Backlit, 1/4 VGA LCD (320 x 240);<br>3-lead groups, 8 or 12-lead presentation  |
| <b>INPUT IMPEDANCE<br/>INPUT DYNAMIC RANGE<br/>ELECTRODE OFFSET TOLERANCE<br/>COMMON MODE REJECTION</b> | Meets or exceeds the requirements of ANSI/AAMI EC11  |
| <b>PATIENT LEAKAGE CURRENT<br/>CHASSIS LEAKAGE CURRENT</b>  | Meets or exceeds the requirements of ANSI/AAMI ES1   |
| <b>DIGITAL SAMPLING RATE</b>  | 10,000 s/sec/channel used for pacemaker spike detection;<br>1000 s/sec/channel used for recording and analysis                                   |
| <b>SPECIAL FUNCTIONS</b>  | Optional Mortara VERITAS resting ECG interpretation with age and gender specific algorithm; connectivity options for bidirectional communication |
| <b>PAPER TYPE</b>   | Perforated Z-fold thermal paper, A4 or 8.5 x 11" wide,<br>250 sheets   |
| <b>THERMAL PRINTER</b>  | Computer-controlled dot array; 8 dots/mm   |
| <b>THERMAL PRINTER SPEEDS</b>   | 5, 10, 25, or 50 mm/s  |
| <b>GAIN SETTINGS</b>  | 5, 10, or 20 mm/mV   |
| <b>REPORT PRINT FORMATS</b>   | Standard or Cabrera: 3, 3+1, 3+3, 6, or 12 channel   |
| <b>RHYTHM PRINT FORMATS</b>   | 3, 6, or 12 channel with configurable lead groups  |
| <b>KEYBOARD TYPE</b>  | Elastomer keyboard with complete alphanumeric keys,<br>soft-key menu, and dedicated function keys  |
| <b>FREQUENCY RESPONSE</b>   | 0.05 to 300 Hz   |
| <b>FILTERS</b>  | High-performance baseline filter; AC interference filter<br>50/60 Hz; low-pass filters 40 Hz, 150 Hz, or 300 Hz                                  |
| <b>A/D CONVERSION</b>   | 20 bits (1.17 microvolt LSB)   |
| <b>DEVICE CLASSIFICATION</b>  | Class I, Type CF defibrillation-proof applied parts  |
| <b>ECG STORAGE</b>  | Internal storage up to 60 ECGs; optional expanded up<br>to 150 ECGs  |
| <b>WEIGHT</b>   | 11.25 lbs. (5.1 kg) including battery (without paper)  |
| <b>DIMENSIONS</b>   | 15.5 x 17 x 4" (39.4 x 43.2 x 10.2 cm)   |
| <b>POWER REQUIREMENTS</b>   | Universal AC power supply (100-240 VAC at 50/60 Hz)<br>50 VA; internally rechargeable battery  |

\*Specifications subject to change without notice.

ELI™, E-Scribe™, and VERITAS™ are trademarks of Mortara Instrument, Inc.

DICOM® is the registered trademark of the National Electrical Manufacturers Association for its standards publications relating to digital communications of medical information.