# ELI 10
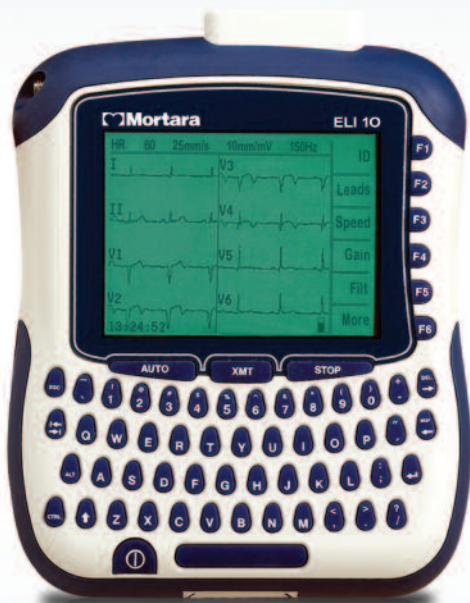
**12-LEAD** resting electrocardiograph

## PRODUCT FEATURES

- **Handheld Unit**
  Compact and lightweight, the ELI™ 10 electrocardiograph provides full-featured functionality in an ultra-portable, handheld unit.

- **ECG Preview and Printing**
  High-resolution backlit LCD display provides real-time preview of 12-lead ECG and VERITAS™ interpretation results to ensure high-quality data acquisition. ECG printing is enabled through a cardiology management system using the network or a stand-alone USB external printer.

- **Mortara VERITAS Resting ECG Interpretation Algorithm**
  Internationally recognized Mortara resting ECG interpretation algorithm using both age and gender specific criteria provides a silent second opinion for 12-lead interpretation.

- **Full Keyboard**
  Alphanumeric elastomer keyboard also includes dedicated "one-touch" buttons for ECG acquisition and ECG transmission.

- **ECG Storage**
  Internal storage for up to 60 digital ECG records. Optional expanded storage for up to 150 digital ECG records, or optional external USB memory.
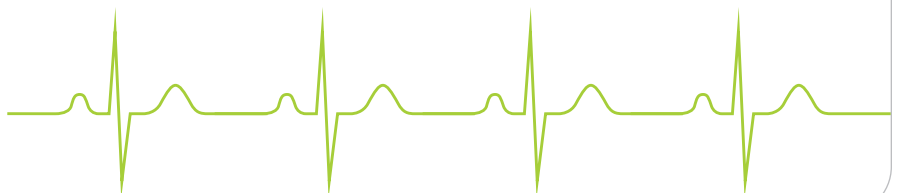
- **Connectivity Options**
  Multiple connectivity options include internal modem, GSM/GPRS mobile, LAN, or WLAN.

- **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®.

## Mortara

# Mortara

**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 | 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.

## ELI™ 10 ELECTROCARDIOGRAPH

| FEATURE | SPECIFICATIONS* |
|---|---|
| **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 LCD (320 x 240) 3-lead groups, 8-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** | 10,000 s/sec/channel used for pacemaker spike detection; 1000 s/sec/channel used for recording and analysis |
| **USB PRINTER** | Requires PCL3 and 300 dpi USB printer. Not all commercially available printers with these characteristics may be compatible with the ELI 10 |
| **PAPER SPEED** | 25 mm/sec |
| **GAIN SETTINGS** | 5, 10, or 20 mm/mV |
| **REPORT PRINT FORMATS** | Standard or Cabrera; 3+1, 3+3, 6, 6+6, or 12 channel |
| **SPECIAL FUNCTIONS** | Optional Mortara VERITAS resting ECG interpretation with age and gender specific algorithm; connectivity options for bidirectional communication |
| **KEYBOARD TYPE** | Elastomer keyboard with complete alphanumeric keys, soft-key menu, and dedicated function keys |
| **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 |
| **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 60 ECGs; optional expanded up to 150 ECGs, or optional external USB memory |
| **WEIGHT** | 1.2 lbs. (0.54 kg) including battery |
| **DIMENSIONS** | 6.72 x 5.32 x 1.50" (17.2 x 13.5 x 3.8 cm) (without docking station) |
| **POWER REQUIREMENTS** | Universal AC power supply (100-240 VAC at 50/60 Hz) 50 VA; internally rechargeable battery |

*Specifications subject to change without notice.