

# ELI 380

MORTARA'S NEXT GENERATION RESTING ELECTROCARDIOGRAPHS

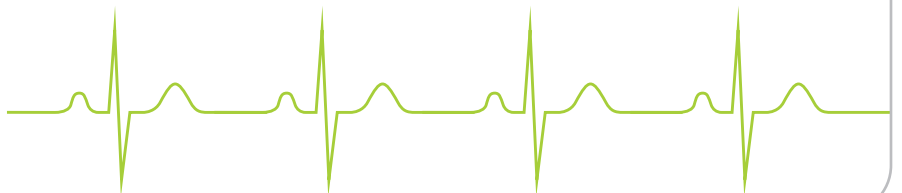


## PRODUCT FEATURES

- **Solution-Based Design**  
Impact-resistant, high-resolution 17 inch color display and sealed keyboard are designed for demanding patient care environments. "Instant-on" feature enables clinicians to quickly power up and immediately begin ECG acquisition.
- **Easy-to-clean Glass Keyboard**  
Smart keyboard design enables more thorough disinfection than electrocardiographs utilizing traditional keyboards. Simplified disinfection assists facilities in complying with Infection Prevention and Control Programs and the recommendations of the Center for Disease Control.
- **Distinguished Mortara VERITAS™ Resting ECG Interpretation Algorithm**  
Widely recognized Mortara resting ECG interpretation algorithm uses gender specific and adult and pediatric criteria to provide a silent second opinion for resting ECG interpretation.
- **Lead Reversal Detection**  
Detects limb and chest lead reversals in real time and indicates which leads may be reversed. Based on 5% of all ECGs demonstrating incidence of lead reversal, this valuable feature helps to reduce errors as well as the need for repeat ECGs.
- **Optimized for Barcode-based Workflow**  
Eliminates time-consuming searches and makes upload of demographics simple. By using multiple search criteria simultaneously, it locates the patient record with speed and accuracy.
- **Best 10**  
ELI™ 380 evaluates noise to determine the best 10 seconds of data recorded and automatically displays the selected data. Best 10 simplifies ECG acquisition by reducing clinical review time and eliminating the need for repeat ECGs.
- **Wireless Freedom**  
Equivalent in size and weight to a traditional patient cable, the WAM™ (wireless acquisition module) provides freedom of movement for clinicians. A single button press at the WAM acquires an ECG or prints a rhythm strip.
- **Information Exchange**  
Bidirectional communication via serial port, internal modem, LAN or wireless LAN enables connectivity to Mortara's Pyramis®, HeartCentrix®, E-Scribe™ and Athena products, as well as to third party EHR, PACS and CVIS. ELI 380 also communicates to Mortara's ECG Safe™, a cloud service that provides an easy, effective way to store ECGs for convenient viewing and file management from anywhere.

RESTING electrocardiograph

 Mortara



FEATURE	SPECIFICATION*
<b>INSTRUMENT TYPE</b>	Multi-lead resting 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>ADDITIONAL LEAD GROUPS</b>	Up to three additional groups can be labeled using any combination of 6 precordial leads with V1, V2, V3, V4, V5, V6, V7, V8, V9, V3R, V4R, V5R, V6R and V7R lead labels
<b>WAVEFORM DISPLAY</b>	Backlit, 17" color LCD with 1280 x 1024 resolution
<b>INPUT IMPEDANCE</b> <b>INPUT DYNAMIC RANGE</b> <b>ELECTRODE OFFSET TOLERANCE</b> <b>COMMON MODE REJECTION</b>	Meets or exceeds the requirements of ANSI/AAMI/IEC 60601-2-25
<b>PATIENT LEAKAGE CURRENT</b> <b>CHASSIS LEAKAGE CURRENT</b>	Meets or exceeds the requirements of ANSI/AAMI ES 60601-1
<b>DIGITAL SAMPLING RATE</b>	40,000 samples/s/channel used for pacemaker spike detection; 1000 samples/s/channel used for recording and analysis
<b>MISCELLANEOUS FEATURES</b>	Best 10 automatic capture of the best-quality 10-second ECG from up to 20 minutes of full disclosure; Alternate lead placement selection with default for pediatric, right-sided, posterior and any combination of user-defined precordial lead labeling
<b>OPTIONAL FUNCTIONS</b>	Connectivity with bidirectional communication; supports bar code scanners with 39, 128 and 2D capabilities; AM12™ acquisition module, equivalent in size and weight to a traditional patient cable.
<b>PAPER</b>	Smart (210 x 280 mm), perforated Z-fold thermal cued paper with full grid; 250 sheets stored in paper tray
<b>THERMAL PRINTER</b>	Computer-controlled dot array; 1 dot/ms horizontal, 8 dots/mm vertical
<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+1, 3+3, 6, 6+6, or 12 channel
<b>RHYTHM PRINT FORMATS</b>	3, 6, 8, or 12 channel with configurable lead groups
<b>KEYBOARD</b>	Glass keyboard with alphanumeric keys, soft-key menu, dedicated function keys, and touchpad pointing device
<b>FREQUENCY RESPONSE</b>	0.05 to 300 Hz
<b>FILTERS</b>	High-performance baseline filter; AC interference filter 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 500 ECGs
<b>WEIGHT</b>	22 lbs. (10 kg) including battery (without paper)
<b>DIMENSIONS</b>	15.5 x 20 x 5.5 in (39 x 51 x 14 cm)
<b>POWER REQUIREMENTS</b>	Universal AC power supply (100-240 VAC at 50/60 Hz) 110 VA; internal rechargeable lithium-ion battery with support for a second optional battery

\*Specifications subject to change without notice.

[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 best suits your needs.

