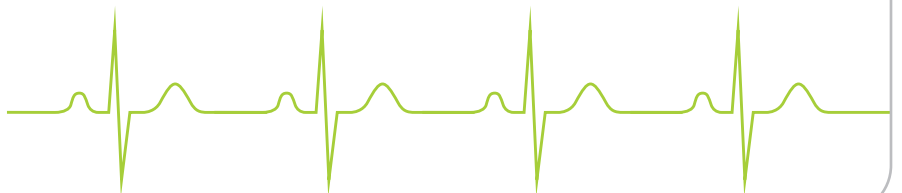# ELI 380

RESTING electrocardiograph

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. Displays hook-up confirmation which includes detection of lead reversals.

- **Data Security**
  Securing ePHI data is promoted with LDAP integration enabling authentication and authorization of users. Additionally, bidirectional network encryption ensures the protection of sensitive ePHI in ECGs, orders, and patient lists.

- **Barcode-based Workflow**
  When enabled, a simple scan of the patient's ID bracelet automatically initiates a search for the patient's ECG order. If no order has been placed, the ELI 380 searches for the patient's demographics via HL7 ADT.

- **Best 10**
  ELI 380™ evaluates ECG signal and 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 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. ECG reports can also be exported via a USB flash drive for direct transfer to a compatible electronic information management system.

Mortara

Mortara

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WARRANTY + SERVICE
Mortara Instrument is committed to the highest level of customer support. Please contact us for the program which best suits your needs.

ELI 380™ ELECTROCARDIOGRAPH

FEATURE	SPECIFICATION*
INSTRUMENT TYPE	Multi-lead resting electrocardiograph
INPUT CHANNELS	Simultaneous acquisition of all 12 or 15 leads
STANDARD 12 LEADS ACQUIRED	I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6
12 LEAD ALTERNATE LEAD GROUPS	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
15 LEAD GROUPS	Three lead groups are available and can be labeled using any combination of 3 leads with V1, V2, V3, V4, V5, V6, V7, V8, V9, V3R, V4R, V5R, V6R, and V7R lead labels
WAVEFORM DISPLAY	Backlit, 17" color LCD with 1280 x 1024 resolution
INPUT IMPEDANCE INPUT DYNAMIC RANGE ELECTRODE OFFSET TOLERANCE COMMON MODE REJECTION	Meets or exceeds the requirements of ANSI/AAMI/IEC 60601-2-25
PATIENT LEAKAGE CURRENT CHASSIS LEAKAGE CURRENT	Meets or exceeds the requirements of ANSI/AAMI ES 60601-1
DIGITAL SAMPLING RATE	40,000 samples/s/channel used for pacemaker spike detection; 1000 samples/s/channel used for recording and analysis
MISCELLANEOUS FEATURES	Best 10 automatic capture of the best-quality 10-second ECG from the last 5 minutes of full disclosure; Any 10-second period from up to 20-minutes of accumulated full disclosure is available for viewing, printing, transmitting, and storing; Alternate lead placement selection with default for pediatric, right-sided, posterior and any combination of user-defined precordial lead labeling.
OPTIONAL FUNCTIONS	Connectivity with bidirectional communication; LDAP security and network encryption; 15-lead acquisition; supports bar code scanners with 39, 128 and 2D capabilities; AM12™, AM12M, or AM15E acquisition module, equivalent in size and weight to a traditional patient cable.
PAPER	Smart (210 x 280 mm), perforated Z-fold thermal cued paper with full grid; 250 sheets stored in paper tray
THERMAL PRINTER	Computer-controlled dot array; 1 dot/ms horizontal, 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: 3+1, 3+3, 6, 6+6, or 12 channel
RHYTHM PRINT FORMATS	3, 6, 8, or 12 channel with configurable lead groups
KEYBOARD	Glass keyboard with alphanumeric keys, soft-key menu, dedicated function keys, and touchpad pointing device
MOUSE	Supports USB mouse
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 500 ECGs
INFORMATION EXCHANGE	Requires ELI Link software version 4.2.0 or greater
LDAP SECURITY AND NETWORK ENCRYPTION	Requires ELI Link software version 4.4.0 or greater
AM12M COMPATIBILITY	For use with Quickels Electrode Suction Pump Decapus III or greater
WEIGHT	22 lbs. (10 kg) including one battery (without paper)
DIMENSIONS	15.5 (width) x 20 (depth) x 5.5 in (height) (39 x 51 x 14 cm)
POWER REQUIREMENTS	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

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BURDICK Mortara QUINTON