ELI 280

12-LEAD resting electrocardiograph

PRODUCT FEATURES

- **Portable Solution**
  Compact and lightweight, the ELI™ 280 electrocardiograph provides comprehensive functionality in a portable, touch-screen device. The easy-to-use ELI 280 is designed to meet the demands of high-volume ECG environments.

- **High-Resolution Color Touchscreen LCD**
  10.1" high-resolution color LCD with convenient touchscreen displays up to 12 leads of ECG data for immediate review and plotting.

- **Distinguished Mortara VERITAS™ Resting ECG Interpretation Algorithm**
  Widely recognized interpretive algorithm uses gender specific, 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**
  Electronic protected health information (ePHI) data is secured with Lightweight Directory Access Protocol (LDAP) integration which enables user authentication and authorization. Additionally, bidirectional network encryptionensures protection of sensitive ePHI in ECGs, orders and patient lists.

- **Choice of Wireless or Traditional ECG Acquisition**
  ELI 280 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 280 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.
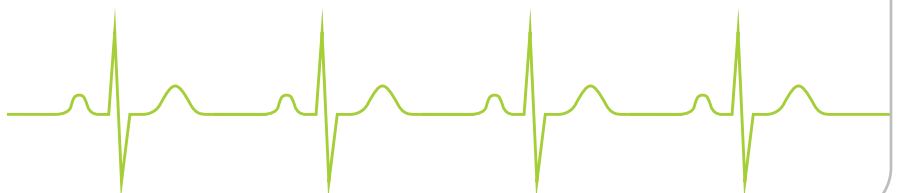
- **Information Exchange**
  Bidirectional communication via LAN or wireless LAN enables connectivity to Mortara's Pyramis®, HeartCentrix®, E-Scribe™ and Athena products, as well as to third party EHR, PACS and CVIS. ELI 280 also communicates to Mortara's ECG Safe™, a cloud-based service that provides an easy, effective way to store ECGs for convenient viewing and file management from anywhere.

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 280™ ELECTROCARDIOGRAPH

FEATURE	SPECIFICATION*
INSTRUMENT TYPE	Multi-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, 10.1" high-resolution color LCD
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	Mortara VERITAS resting ECG interpretation algorithm with age and gender specific criteria; connectivity with bidirectional communication; LDAP security and network encryption
PAPER	Perforated Z-fold thermal paper, A4 or 8.5 x 11" wide, 250 sheets
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
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 40 ECGs; optional expanded up to 200 ECGs
LDAP SECURITY AND NETWORK ENCRYPTION	Requires ELI Link software version 4.4.0 or greater
WEIGHT	13.9 lbs. (6.30 kg) including battery (without paper)
DIMENSIONS	15.25(w) x 17.25 (d) x 4" (h) (38.73 x 43.81 x 10.16 cm)
POWER REQUIREMENTS	Universal AC power supply (100-240 VAC at 50/60 Hz) 110 VA; internal rechargeable battery

*Specifications subject to change without notice.

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