

ELI 280

12-lead Resting Electrocardiograph



PRIMARY BENEFITS:

- **Data visibility.** The 10.1" high-resolution color display, with intuitive touchscreen capability, clearly presents all 12 leads of data simultaneously.
- **Best 10 technology.** Capture the best 10 seconds of ECG data from system memory, reducing the need for repeat ECGs.
- **Wireless data acquisition.** Increase workspace flexibility by acquiring 12-lead data without the need for a tethered cable.
- **Secure Electronic Patient Health Information (ePHI).** Lightweight Directory Access Protocol (LDAP) integration and bidirectional network encryption ensures secure patient data.

SETTING THE STANDARD FOR THE NEW NORMAL IN ELECTROCARDIOGRAPHS

- Compact and lightweight, the ELI™ 280 electrocardiograph provides comprehensive functionality in a portable, touchscreen device. The easy-to-use ELI 280 is designed to meet the demands of high-volume ECG environments.
- Widescreen data layout allows for easy menu navigation, fast entry of patient information, and clear verification of proper electrode connections.
- Proven ECG performance, digital integration and VERITAS™ algorithm accuracy with more than 30 years of expertise for a more confident interpretation. Includes hook-up confirmation by detection and display of lead reversals.

AN ADVANCED FEATURE-SET DESIGNED TO HELP YOU IMPROVE WORKFLOW

- Our unique Best 10 feature automatically selects and displays the best 10 seconds of ECG data from memory, reducing the need for repeat ECGs caused by patient movement or other sources of ECG artifact.
- Choose between 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.
- Securing ePHI data is promoted with LDAP integration, enabling authentication and authorization of users. Additionally, bidirectional network encryption ensures protection of sensitive ePHI in ECGs, orders and patient lists.
- 1,000 samples/second/channel data capture provides more in-depth ECG signal assessment during analysis, display and printing; 40,000 samples/second/channel offers unsurpassed pacemaker spike detection.
- Bidirectional connectivity allows practices to download orders/send reports with a single keystroke. Bidirectional communication via LAN or wireless LAN enables connectivity to third party EHR, PACS and CVIS, as well as to Mortara's HeartCentrix®, Pyramis® and E-Scribe™ products. 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. ECG reports can also be exported to a USB flash drive and uploaded to a compatible electronic management system when there is no available network.





ELI™ 280 ELECTROCARDIOGRAPH

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ISO 13485 CERTIFIED

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; 1000 samples/second/channel used for recording and analysis |
| OPTIONAL FUNCTIONS | 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 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(width) x 17.25 (depth) x 4" (height) (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 |

WARRANTY + SERVICE

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



*Specifications subject to change without notice.

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