

# ELI 230

## 12-lead Resting Electrocardiograph



### PRIMARY BENEFITS:

- **Portable solution.** Compact and lightweight, the ELI™ 230 provides comprehensive functionality in a portable device.
- **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.

### VALUE WITHOUT COMPROMISE

- Complete functionality in a compact, portable, device. Easy-to-use and feature-rich, the Burdick ELI 230 offers a cost-effective ECG solution with capabilities such as digital sampling, accurate and reliable adult and pediatric ECG interpretation, and full-size printouts.
- High-resolution color display provides real-time preview of 3, 8, or 12-leads of ECG data, as well as post-acquisition review of acquired ECG.
- VERITAS™ resting ECG interpretation algorithm uses gender specific and adult and pediatric criteria to provide a silent second opinion for diagnostic interpretation.

### SMALL IN STATURE, BIG IN CAPABILITY

- 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.
- Our unique Best 10 feature automatically selects and displays the best 10 seconds of ECG data from the memory, reducing clinical review time and reducing the need for repeat ECGs caused by patient movement or other sources of ECG artifact.
- Digital sampling technology provides in-depth ECG signal assessment including 40,000 sps per channel for unsurpassed pacemaker spike detection.





# ELI™ 230 ELECTROCARDIOGRAPH

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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.

## FEATURE

## SPECIFICATION\*

|   |   |
|---|---|
| <b>INSTRUMENT TYPE</b>  | 12-lead 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>WAVEFORM DISPLAY</b>   | Backlit, 1/4 VGA 320 x 240 LCD color display<br>4+4 or 6+6 lead presentation  |
| <b>INPUT IMPEDANCE<br/>INPUT DYNAMIC RANGE<br/>ELECTRODE OFFSET TOLERANCE<br/>COMMON MODE REJECTION</b> | Meets or exceeds the requirements of ANSI/AAMI EC11   |
| <b>PATIENT LEAKAGE CURRENT<br/>CHASSIS LEAKAGE CURRENT</b>  | Meets or exceeds the requirements of ANSI/AAMI ES1  |
| <b>DIGITAL SAMPLING RATE</b>  | 40,000 s/sec/channel used for pacemaker spike detection;<br>1000 s/sec/channel used for recording and analysis                |
| <b>RESOLUTION</b>   | 1.875 microvolt LSB   |
| <b>A/D CONVERSION</b>   | 20 bits   |
| <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>LEAD REVERSAL DETECTION</b>  | Notification of possible lead reversal conditions, for both limb and chest leads, indicated on the display, prior to printing |
| <b>PACEMAKER SPIKE DETECTION</b>  | Pacemaker spike markers, for both atrial and ventricular rhythms, indicated on printouts                                      |
| <b>PAPER</b>  | Thermal roll paper; 210 mm (8.25") wide   |
| <b>THERMAL PRINTER</b>  | Computer-controlled dot array; 8 dots/mm  |
| <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; 12, 6, or 3+1 channel  |
| <b>RHYTHM PRINT FORMATS</b>   | 12, 6, or 3 channel with configurable lead groups   |
| <b>DEVICE CLASSIFICATION</b>  | Class I, Type CF defibrillation-proof applied parts   |
| <b>ECG STORAGE</b>  | Internal storage up to 20 ECG records; external storage to USB memory stick   |
| <b>CONNECTIVITY</b>   | Review or print from ELI Link V4.xx   |
| <b>WEIGHT</b>   | 5.8 lbs. (2.63 kg) including battery (without paper)  |
| <b>DIMENSIONS</b>   | 11.25 x 7.5 x 2.75" (28.58 x 19 x 7 cm)   |
| <b>POWER REQUIREMENTS</b>   | Universal AC power supply (100-240 VAC at 50/60 Hz) 110 VA;<br>internally rechargeable battery                                |

\*Specifications subject to change without notice.

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