

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.



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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™ 230 ELECTROCARDIOGRAPH**

FEATURE	SPECIFICATION*
INSTRUMENT TYPE	12-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, 1/4 VGA 320 x 240 LCD color display 4+4 or 6+6 lead presentation
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 s/sec/channel used for pacemaker spike detection; 1000 s/sec/channel used for recording and analysis
RESOLUTION	1.875 microvolt LSB
A/D CONVERSION	20 bits
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
LEAD REVERSAL DETECTION	Notification of possible lead reversal conditions, for both limb and chest leads, indicated on the display, prior to printing
PACEMAKER SPIKE DETECTION	Pacemaker spike markers, for both atrial and ventricular rhythms, indicated on printouts
OPTIONAL FUNCTIONS	Optional Mortara VERITAS resting ECG interpretation with age and gender specific algorithm
PAPER	Thermal roll paper; 210 mm (8.25") wide
THERMAL PRINTER	Computer-controlled dot array; 8 dots/mm
THERMAL PRINTER SPEEDS	5, 10, 25, or 50 mm/s
GAIN SETTINGS	5, 10, or 20 mm/mV
REPORT PRINT FORMATS	Standard or Cabrera; 12, 6, or 3+1 channel
RHYTHM PRINT FORMATS	12, 6, or 3 channel with configurable lead groups
DEVICE CLASSIFICATION	Class I, Type CF defibrillation-proof applied parts
ECG STORAGE	Internal storage up to 20 ECG records; external storage to USB memory stick
CONNECTIVITY	Review or print from ELI Link V4.xx
WEIGHT	5.8 lbs. (2.63 kg) including battery (without paper)
DIMENSIONS	11.25 x 7.5 x 2.75" (28.58 x 19 x 7 cm)
POWER REQUIREMENTS	Universal AC power supply (100-240 VAC at 50/60 Hz) 110 VA; internally rechargeable battery

*Specifications subject to change without notice.

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