

ELI 230

MORTARA'S NEXT GENERATION 12-LEAD RESTING ELECTROCARDIOGRAPHS

PRODUCT FEATURES

• Value without Compromise

The ELI™ 230 electrocardiograph provides complete functionality in a portable, compact device. Easy to use and feature rich, the ELI 230 offers a valuable solution with capabilities such as signal quality, accurate and reliable ECG interpretation, and full-size printouts.

• High-Resolution Color LCD

High-resolution color display provides real-time preview of 12-lead ECG and post-acquisition review of acquired ECG.

• Distinguished Mortara VERITAS™ Resting ECG Interpretation Algorithm

Widely recognized Mortara resting ECG interpretation algorithm uses gender and age specific criteria to provide a silent second opinion for resting ECG interpretation.

• Choice of Wireless or Traditional ECG Acquisition

ELI 230 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 230 automatically selects and displays the Best 10 seconds of ECG signal from the one-minute segment of internal full disclosure, reducing clinical review time and eliminating the need for repeat ECGs.

• Diagnostic Quality

Mortara technology features full diagnostic ECG quality with a high-fidelity acquisition sampling rate of 40,000 samples per second per channel, a benefit for accurate pacemaker detection.

12-LEAD resting electrocardiograph



 Mortara



**MORTARA INSTRUMENT, INC.**

7865 North 86th Street
Milwaukee, WI 53224
U.S.A.

Tel: 414.354.1600
Tel: 800.231.7437
Service: 888.MORTARA
Fax: 414.354.4760

MORTARA INSTRUMENT EUROPE S.R.L.

(European Headquarters)
Via Cimarosa 103/105
40033 Casalecchio di Reno (BO)
Italy

Tel: +39.051.298.7811
Fax: +39.051.613.3582

MORTARA INSTRUMENT AUSTRALIA

PO Box 7568
Baulkham Hills NSW 2153
Unit 28, 9 Hoyle Avenue
Castle Hill NSW 2154
Australia

Tel: +61 2 8070 9303
Fax: +61 2 9899 9478

MORTARA DOLBY UK LTD.

Units 11 & 12, Scion House
Stirling University Innovation Park
Stirling FK9 4NF
Scotland

Tel: +44.1786.444980
Fax: +44.1786.446630

www.mortara.com

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.

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 V3.1x
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.

AM12™, ELI™, VERITAS™, and WAM™ are trademarks of Mortara Instrument, Inc.