

# ELI™ 150c 12-Lead Resting ECG

## Specifications



## Product Features

- **Portable Solution** — Compact and lightweight, the ELI™ 150c electrocardiograph provides comprehensive functionality in an ultra-portable device.
- **High-Resolution Color LCD** — High-resolution color display provides real-time preview of 12-lead ECG and post-acquisition review of acquired ECG.
- **Distinguished VERITAS® Resting ECG Interpretation Algorithm** — Widely recognized resting ECG interpretation algorithm uses gender-specific and adult and pediatric criteria to provide a silent second opinion for resting ECG interpretation.
- **Choice of Wireless or Traditional ECG Acquisition** — ELI 150c 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 150c automatically selects and displays the 10 seconds of data with the least amount of noise from the five-minute segment of internal full disclosure, reducing clinical review time and eliminating the need for repeat ECGs.
- **Full Keyboard** — Alphanumeric elastomer keyboard features dedicated “one-touch” buttons for ECG acquisition, rhythm printing and ECG transmission/order retrieval.
- **Information Exchange** — Bidirectional communication via USB, internal modem, LAN wireless LAN, or GPRS enables connectivity to Pyramis®, HeartCentrix®, E-Scribe™ and Athena products, as well as to third-party EHR, PACS and CVIS systems using XML, PDF, DICOM and HL7 protocols. ELI 150c also communicates to the ECG Safe™ system, a cloud service that provides an easy, effective way to store ECGs for convenient viewing and file management from anywhere.



## ELI 150c 12-Lead Resting ECG

| 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 color LCD (320 x 240); 3, 4+4, or 6+6 lead presentation   |
| Input Impedance<br>Input Dynamic Range<br>Electrode Offset Tolerance<br>Common Mode Rejection | Meets or exceeds the requirements of ANSI/AAMI EC11  |
| Patient Leakage Current<br>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;<br>1000 s/sec/channel used for recording and analysis                       |
| Optional Functions  | VERITAS resting ECG interpretation algorithm with age and gender-specific criteria;<br>connectivity with bidirectional communication |
| Paper   | Perforated double Z-fold thermal paper; 108 x 140 mm, perforated double Z-fold thermal paper,<br>200 sheets                          |
| 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; 3, 3+1, 3+3, or 6 channel   |
| Rhythm Print Formats  | 3 or 6 channel with configurable lead groups   |
| Keyboard  | Elastomer keyboard with complete alphanumeric keys, soft-key menu and dedicated function keys  |
| 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,<br>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   |
| Weight  | 3.3 kg (7.2 lbs.) including battery (without paper)  |
| Dimensions  | 29.2 x 30.5 x 10.2 cm (11.25 x 11.5 x 3.75")   |
| Power Requirements  | Universal AC power supply (100-240 VAC at 50/60 Hz) 110 VA; internal rechargeable battery  |

Specifications subject to change without notice.

Contact your Welch Allyn representative today or visit <http://emeai.welchallyn.com>



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Welch Allyn Cardiology is proud to be powered by Mortara.

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The ELI 150 electrocardiograph is intended to be used by clinicians and medically qualified personnel to acquire, analyze, display, and print electrocardiograms. The interpretations of ECG offered by the device are only significant when used in conjunction with a physician over-read as well as consideration of all other relevant patient data. It is intended for use on adult and pediatric populations. Medical device (93/42/EEC): Class IIa. Notified Body: LNE/G-MED (CE0459) Manufacturer: Mortara Instrument, Inc., Milwaukee, Wisconsin U.S.A. EC Rep.: Mortara Instrument Europe, Srl., Via Cimara 103-105, 40033 Casalecchio di Reno (BO), Italy. This medical device is a regulated health product which, pursuant to such regulation bears a CE mark. Welch Allyn recommends that you carefully read the detailed instructions for safe and proper use included in the documents accompanying the medical devices. The personnel of healthcare establishments are responsible for the proper use and maintenance of these medical devices. Welch Allyn reserves the right to make changes without notice in design, specifications and models. The only warranty Welch Allyn makes is the express written warranty extended on the sale of its products.