



## Product Features

- **Portable Solution** — 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.
- **High-Resolution Colour Touchscreen LCD**  
256.5 mm high-resolution colour LCD with convenient touchscreen displays up to 12 leads of ECG data for immediate review and plotting.
- **Distinguished VERITAS® Resting ECG Interpretation Algorithm** — Widely recognised interpretive algorithm uses gender-specific, adult and paediatric criteria to provide a silent second opinion for resting ECG interpretation. Displays hook-up confirmation, which includes detection of lead reversal.
- **Data Security** — Electronic protected health information (ePHI) data is secured with Lightweight Directory Access Protocol (LDAP) integration that enables user authentication and authorisation. Additionally, bidirectional network encryption ensures protection of sensitive ePHI in ECGs, orders and patient lists.
- **Choice of Wireless or Traditional ECG Acquisition** — ELI 280 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 280 evaluates ECG signal and noise to determine the best 10 seconds of data recorded and automatically displays the selected data. Best 10 simplifies ECG acquisition by reducing clinical review time and eliminating the need for repeat ECGs.
- **Information Exchange** — Bidirectional communication via LAN or wireless LAN enables connectivity to Pyramis®, HeartCentrix®, E-Scribe™ and Athena products, as well as to third-party EMR, PACS and CVIS systems. ELI 280 also communicates to the ECG Safe™ system, a cloud-based service that provides an easy, effective way to store ECGs for convenient viewing and file management from anywhere.



## ELI 280 ELECTROCARDIOGRAPH

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, 256.5 mm high-resolution colour 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; 1,000 samples/second/channel used for recording and analysis
Optional Functions	VERITAS resting ECG interpretation algorithm with age and gender-specific criteria; connectivity with bidirectional communication; LDAP security and network encryption
Paper	Perforated Z-fold thermal paper, A4 or 216 x 279.4 mm 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
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, 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
LDAP Security and Network Encryption	Requires ELI Link software version 4.4.0 or greater
Weight	6.30 kg including battery (without paper)
Dimensions	39.4 x 43.2 x 10.2 cm
Power Requirements	Universal AC power supply (100-240 VAC at 50/60 Hz) 110 VA; internal rechargeable battery

For more information, please contact your Welch Allyn representative or **Customer Care** on **1800 650 083**.



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Welch Allyn Cardiology is proud to be powered by Mortara.



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