

ELI™ 280 12-Lead Resting ECG

Specifications



Product Features



- **High-Resolution Color Touchscreen LCD** — 10.1" high-resolution color touchscreen LCD that displays up to 12 leads of ECG data for immediate review and plotting.
- **Distinguished VERITAS® Resting ECG Interpretation Algorithm** — Widely recognized interpretive algorithm uses gender-specific, adult and pediatric criteria to provide a silent second opinion for resting ECG interpretation. Displays hook-up confirmation, which includes detection of lead reversals.
- **Data Security** — Securing ePHI is promoted with centralized device access controls that are integrated with LDAP or Active Directory service. Additionally, encryption both at rest and in transit protects ePHI from the ELI 280 ECG to the server.
- **Choice of Wireless or Traditional ECG Acquisition** — The ELI 280 ECG offers a choice of either the WAM™ wireless acquisition module or the AM12™ acquisition module. Both include individual replaceable lead wires, lead fail indicator and remote control with buttons for ECG acquisition and rhythm printing.
- **Best 10** — The ELI 280 ECG evaluates ECG signal and noise to determine and select the 10 seconds of data with the least amount of noise. 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 EHR, PACS and CVIS systems using XML/PDF formats and DICOM®/HL7® protocols. The device 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, 10.1" high-resolution color 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	Connectivity with bidirectional communication; SECUR-it; exercise stress (check local availability)
Paper	A4 (210 x 297 mm), perforated Z-fold thermal paper, 250 sheets, or Smart (210 x 280 mm), perforated Z-fold thermal paper with full grid, 250 sheets, or US letter (8.5 x 11"), perforated Z-fold thermal paper, 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	Touchscreen keyboard with 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 Electrical Safety Classification	Class I, Type CF defibrillation-proof applied parts
ECG Storage	Internal storage up to 200 ECGs
SECUR-it	Requires software version 2.0.0 or greater Requires ELI Link software version 4.4.0 or greater
Weight	6.30 kg (13.9 lbs.) including battery (without paper)
Dimensions	39.4 x 43.2 x 10.2 cm (15.5 x 17 x 4")
Power Requirements	Universal AC power supply (100-240 VAC at 50/60 Hz) 110 VA; internal rechargeable battery

*Specifications subject to change without notice.

Product may not be available for sale in all countries. Please contact your Welch Allyn representative to determine if the product is available in your country.

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



Clinical excellence. Connected solutions. Continuous innovation.

Welch Allyn Cardiology is proud to be powered by Mortara.

Welch Allyn EMEAI Customer Care
IDA Business Park - Johnstown
Navan, County Meath, Ireland
(p) +353 46 906 7700
europa@welchallyn.com

EMEAI.WELCHALLYN.COM



WelchAllyn®

Hill-Rom®

©2018 WELCH ALLYN, INC. ALL RIGHTS RESERVED. DOC. NO: SM4166EU REV.A1 MC14622, FEB. 2018

The ELI 280 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.