



Welch Allyn  
**ELI™ 380 Resting ECG**  
with Optional ERGO Design



**WelchAllyn®**

# Innovating to a Need



The ELI 380 ECG is designed to address many of the challenges faced by users.

- **Simplifying ECGs**  
Are there ways to make exams better for our patients and easier for us?  
How can we automate manual processes in order to reduce errors?
- **Improving patient care**  
How can we increase the accuracy of ECGs for adults and pediatrics?
- **Enhancing security**  
What types of security measures should we expect on our electrocardiographs?
- **Streamlining connectivity**  
What benefits can standards-based communication bring us?
- **Investing in ECGs for the long term**  
How can I increase the life and productivity of my ECG investment?

180°



Let ERGO do the moving so you can remain at your patient's side. Swivel the display as much as 180°, tilt it up to 120° and navigate using the capacitive touchscreen.

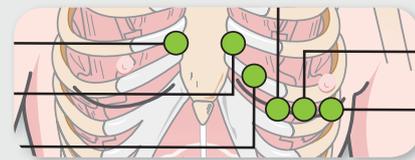
# Automated Workflow

## Every Step of the Way

1

### Connect leads

The ELI 380 ECG displays lead fail and lead reversals to ensure proper hookup before acquiring an ECG. This helps reduce the need for repeat tests and increase efficiency.



2

### Sync in one step

Download the most recent list of patient orders with a single touch of a button.



3

### Scan and confirm

Confirm the patient ID matches the proper order or registration automatically with one scan.



4

### Acquire a quality ECG

Use Best 10 to automatically select the cleanest 10 seconds of data. Choose any 10 seconds from the full disclosure simply by touching it.



5

### Transmit data

Send the ECG directly to your data management system using your LAN or wireless LAN network.



WAM Wireless Acquisition Module

### Free your care area.

Use the WAM™ Wireless Acquisition Module to free your care area from unnecessary wires and make your patients more comfortable at the same time.

### No order? No problem.

The ELI 380 ECG can either download the list of your registered patients or query for a particular patient's demographics, so entry is automated, even without an order.

# Treat with Confidence



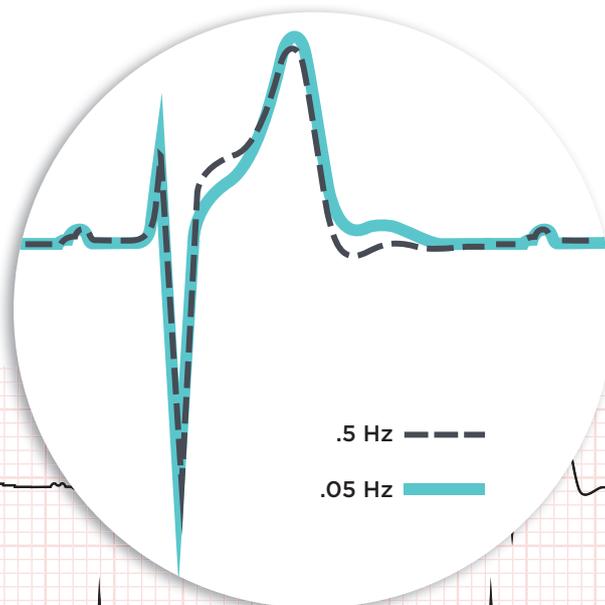
## Protecting the little ones

Our upper frequency cutoff of 300 Hz exceeds the recommendation of 250 Hz for pediatric patients so the high-frequency components important for interpretation are retained. Additionally, the ELI 380 has the ability to acquire 15-lead ECGs, helping you see a more complete picture.

## See the truth

Aggressive filtering can modify or distort waveforms that affect physician reading and resulting treatment versus discharge. We never filter the baseline above 0.05 Hz, even for rhythm strips, as recommended by the AHA, ACC and HRS, so you can be sure you are receiving diagnostic-quality ECGs.

The ELI 380 ECG provides truthful data, plain and simple.



By following industry recommendations and providing comprehensive acquisition capabilities, we present meaningful data you can confidently stand behind.

Take your care to the next level with optional **Signal Averaged Electrocardiography**

The presence of late potentials is generally accepted as indicating increased vulnerability to serious ventricular tachyarrhythmias and as having significant correlation to inducing sustained ventricular tachycardia.

The ELI 380 Signal Averaged Electrocardiography (SAECG) option allows the acquisition, analysis and printout of signal-averaged ECGs in order to detect ventricular late potentials.

**SAECG**



# Connect it and SECUR-it

Healthcare becomes more interconnected every day. The ELI 380 ECG uses standards-based communication so you can connect to the data management system of your choice.

PDF

XML

HL7\*

DICOM\*

With the increase of electronic data exchange, including patient health information (PHI), security is relevant now more than ever. We're raising the bar and defining the data safeguards you should expect as part of your ECG solution.

**Patient Demographic Query (PDQ):** Allows user to download patient demographics in non-order based workflows — scan the patient wristband or search by name or ID to receive available patient information from the hospital EMR.

**Serial number authorization:** Device authorization limits communication to registered serial numbers only.

**Encryption:** All bidirectional transacted information is encrypted across the entire network, from ECG to server. Does your current ECG device encrypt beyond the wireless network?

**Closure of session:** Automatic logout occurs after a predefined period of inactivity is detected. You know the needs of your department best, so you determine the automatic logout time that suits your team members, per device.

**User authentication and authorization:** Authenticate users with a unique username and password by connecting to your current LDAP or Active Directory service. Multiple user roles control access to PHI and settings, so users only see what they need.

**Records of authentication:** Searchable authentication logs show the date, time and username of every attempted log on, both successful and failed.



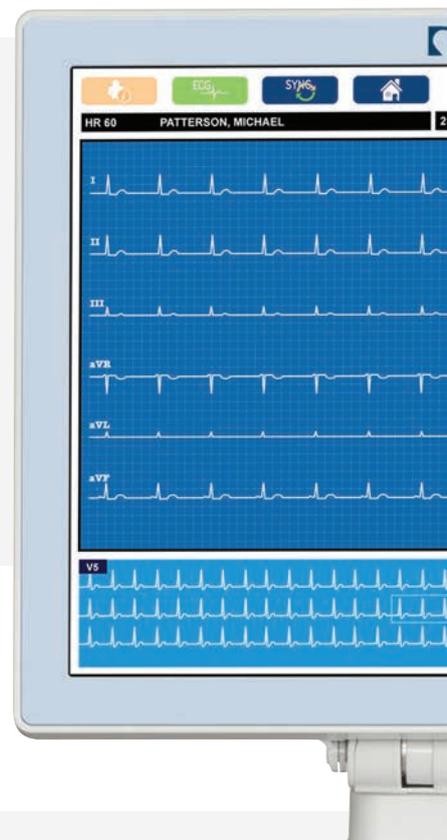
With the industry's broadest range of diagnostic cardiology solutions, we help people get better care, inside and outside the hospital. Backed by **clinical excellence, connected solutions and continuous innovation**, Welch Allyn Cardiology is proud to be powered by Mortara.

# Designed to Maximize Your Profitability

The ELI 380 ECG was designed with high-volume care areas in mind.

## Quality

We have partnered with the FDA (U.S. Food and Drug Administration) to build one of the largest cloud-based repositories of clinical data in the world with more than 9 million resting ECGs—all analyzed by our VERITAS® algorithm.

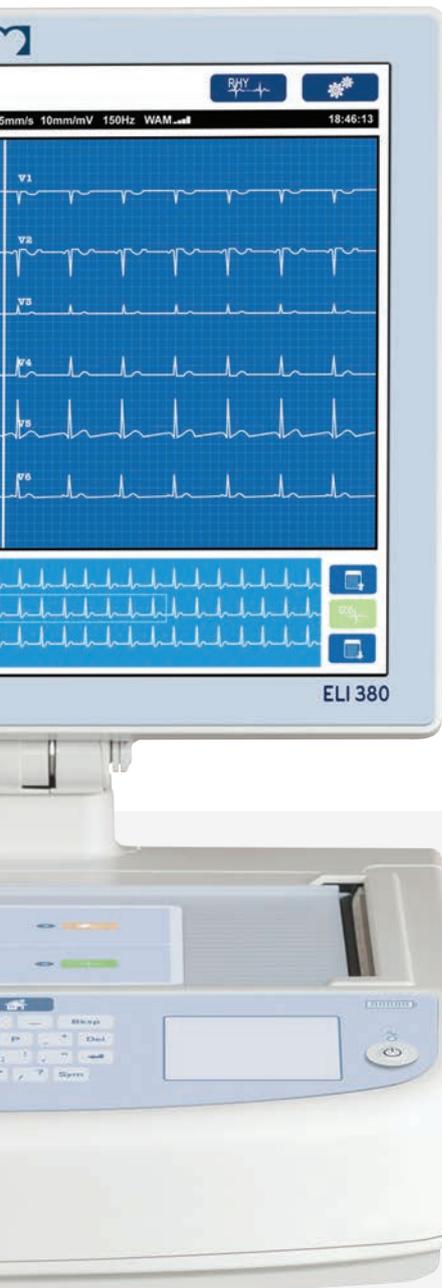


## Productivity

Simplified workflow decreases exam time and helps prevent manual entry mistakes.

The WAM module makes exams easier for clinicians and more comfortable for patients.





## Service

Our experienced field service engineers + ability of next-day parts delivery = reduced unplanned downtime.

Training is available for your biomedical staff that allows maintenance to be done in house, helping to lower the cost of service and minimize downtime.

## Reliability

Designed to eliminate sources of maintenance, repair and breakage.

- Chemically strengthened glass capacitive touchscreen is calibration-free and cannot be pierced or punctured.
- The wireless module and antenna are internal to the ELI 380 ECG.
- Up to two lithium ion batteries increase time between charging and reduce the frequency of battery replacement.

Thousands of mechanical cycle tests have been performed on the ELI 380 ERGO device to ensure reliability with extensive use.



Contact your Welch Allyn representative today or visit  
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**WelchAllyn**

**Hill-Rom**

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The ELI 380 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.