

ZOLL 12-Lead ECG

Faster Treatment, Improved Patient Outcomes



The Most Advanced EMS Defibrillators
with Interpretive 12-Lead

ZOLL
Advancing Resuscitation. Today.™

ZOLL 12-Lead

- Gold Standard Marquette 12SL ECG for diagnostic interpretation
- Easy one-button analysis program with automatic 4"x 3" printout of interpretation and measurements
- Rapid patient name and ID entry
- Fast transmission of your patient's 12-lead and vitals to multiple destinations
- Broad range of transmission solutions to suit your needs

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STEMI Management

Approximately 400,000 patients annually are admitted to U.S. hospitals with ST Segment Elevation MI (STEMI); the majority of these patients need emergency percutaneous coronary intervention (PCI) in the Cath Lab. To this end, both the American College of Cardiology (ACC) and the American Heart Association (AHA) are recommending that hospitals achieve a door-to-balloon time of less than 90 minutes.

The acquisition, interpretation and transmission of the pre-hospital 12-lead ECG can save up to 15 minutes of time,* helping to quickly mobilize the Emergency Department and the Cath Lab in the quest to reduce the in-hospital time-to-treatment.

Faster Treatment, Better Improved Patient Outcomes

ZOLL M Series® and E Series® are equipped with the GE Medical Systems Marquette® 12SL™ Analysis Program to provide complete diagnostic interpretation of your patients' 12-lead ECGs. With the 12SL Analysis Program, you have the most widely accepted diagnostic tool in the industry – both in the pre-hospital setting as well as in the hospital.

Transmission Solutions Optimize Patient Care

ZOLL leads the industry in providing numerous transmission solutions for EMS agencies looking to send a patients' 12-lead ECG to the hospital. From wired to wireless, satellite or radio, ZOLL can transmit your 12-lead ECG where it needs to go – fax machine in the ED, Cath Lab or direct to the cardiologist's PDA. In addition, ZOLL is the only company with the ability to send the 12-lead ECG directly to the GE MUSE® system, providing analysis and comparison of your patients' existing and previous ECG records. The speed and accuracy of this system helps you optimize patient care, as critical time is saved both en route to and from the ED.

ZOLL 12-Lead General Specifications

12-Lead ECG

12-Lead ECG Bandwidth: 0.05 to 150 Hz

Optional Bandwidth: 0.05 to 40 Hz

Sampling Rate: 500 sps

A/D Resolution: 18-bits

ECG Waveform Formats Supported: 4x3 (3 rows, 4 columns, 2.5 seconds), 4x3 Cabrera, 4x3 Median Complexes, 2x6 fax only (6 rows, 2 columns, 5 seconds)

Two configurable custom lead groups for 3-lead strip chart reports

GE Marquette 12SL Analysis Algorithm: Interpretive statements (configurable-ON/OFF), global ECG measurements, 12-Lead measurements matrix (configurable-ON/OFF)

Fax Transmission: Group 3 facsimile, 24 preprogrammed phone numbers (each with 20 digits), manual dial option, pulse/tone option, cellular phone-compatible modem, 11-Digit alphanumeric site and device identifier

Fax Software Interfaces: Class 2, EIA-TR 29.2, Class I

Bluetooth: Bluetooth module or integrated Bluetooth via ZOLL Data Relay Server to fax or email



*Bradley eh, Herrin j, Wang Y, et al. "Strategies for Reducing the Door-to-Balloon Time in Acute Myocardial Infarction." New England Journal of Medicine. 355 (22): 2308-2320, 2006

Specifications subject to change without notice.

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Preconfigured phone numbers provide easy and quick transmission to a standard fax machine.



Standard printout includes 4 x 3 ECG, patient data, interpretation and optional measurements.

Patient Demographics: Patient name, patient ID (automatically generated or manually entered), age, gender

Recorder

Paper: 80 mm thermal (grid width) 90 mm (paper width)

Speed: 25 mm/sec, 6-second delay

Annotations: Time, date, defib energy, heart rate, pacer output (pacer version only), QRS sync marker, ECG size, lead, alarm, defib test OK/Fail, analyze ECG, pads off, analysis halted, noisy ECG, shock advised, no shock advised, ECG too large, ECG too small, and diagnostic bandwidth

Printing Method: High-resolution, thermal array print head

Printout Modes: Manual or automatic user configurable

On/Off Control: Front panel and paddle

Automatic Function: 15-second recording initiated by alarm activation or defibrillator discharge

PCMCIA Card Slots

Accepts a standard series Type II flash card, 1-32 MB slot 1, Fax modem card capability in slot 2

