

X Series™

ZOLL®



Xtremely

Small, Light, and Powerful



Amazing Capabilities in a Lightweight Package

From the minute you see it, you'll know. The X Series™ is not like other monitor/defibrillators. You can actually feel the difference.

At less than 12 pounds (6 kilograms), it's about half the size and half the weight of other full-featured units—but a lot more powerful. It has everything you could ever want in an EMS device. Compact without any compromise in display size, capability, or performance.

Based on a platform developed for the military and air medical operations, the X Series rises to a new standard in ruggedness and durability, with unparalleled features. It combines the clinically superior therapeutic capabilities of ZOLL® defibrillation and pacing with the advanced monitoring parameters you need for your patients. The X Series is also the first defibrillator with integrated WiFi, one of three connectivity options. Another unique feature is a split-screen capability that allows you to view an ECG in real time while simultaneously viewing an acquired 12-lead or one of five separate pages of 12-lead ECG and analysis information.

No matter which patient parameters you're monitoring, they'll be easy to read, thanks to a large, bright, high-contrast color LCD with three display modes. An oversized numeric display of just physiologic parameter values is one of the many display options. And you can have all this capability without the complexity of multiple batteries or stopping to swap them in the middle of a call, because the rechargeable SurePower™ II high-capacity lithium-ion battery provides six hours of continuous run time, enough power for the busiest EMS operation.



The Perfect Screen for EMS

X Series

Display four waveforms of your choice simultaneously and a 12-lead ECG for on-screen review. Switch to high-contrast black-and-white or night vision mode. Perform quality CPR with confidence thanks to CPR Dashboard.™

Visual Alarm Indicator

Masimo® rainbow® SET Pulse CO-Oximetry

Welch Allyn NIBP with Sure BP® and SmartCuf®

Oridion Microstream® Capnography

Quick-access keys



SurePower™ II
High-Capacity
Li-Ion Battery

WiFi
Connection
Icon

Ready-for-Use
Indicator

Screen
Select Key

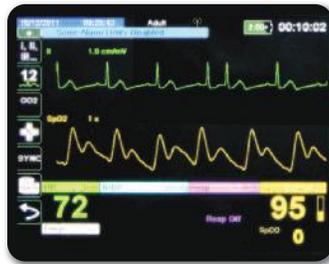
24-second
Snapshot



Dynamic and Static 12-lead
View 12-lead on screen or
analysis results and real-time
ECG simultaneously.



4-Trace Capability
Simultaneously display up to
four waveforms. Choose from
ECG, SpO₂, EtCO₂, IBP,
CPR, or cascade the ECG.



**Masimo® rainbow® SET
SpO₂/SpCO₂/SpMet®**
Accurate measurements of oxygen
saturation, carbon monoxide, and
methemoglobin are assured.



Unequaled CPR Support
CPR Dashboard displays
CPR quality in real time, and
See-Thru CPR® can reduce
the duration of pauses.

*Preconnected CPR Stat-padz®
for monitoring, pacing, defibrillation,
and Real CPR Help®*



More Data, More Choices
The first defibrillator with
integrated WiFi, plus
Bluetooth® and USB options,
including cellular modem.

Extremely Powerful

Advanced Functionality, Superior Connectivity

Unmatched durability and critical care support

Because of its origins in military and air medical operations, the X Series is the first defibrillator for EMS to earn an IP55 ingress protection rating for dust and water. It's virtually immune to a three-minute, high-pressure onslaught of water and meets the most stringent specifications for shock and vibration. The X Series can also handle three invasive pressures (optional) and two temperatures, often needed in acute critical care.



CPR with confidence

When it comes to helping you improve CPR quality through both real-time feedback and CPR data, the X Series is unmatched. Our CPR Dashboard can be a lifesaver in guiding you to provide CPR that meets recommended guidelines.

STEMI Management

For STEMI patients, the X Series is designed to speed door-to-balloon time with quick and accurate 12-lead acquisition, interpretation, and transmission. The printer provides a standard display format for on-scene review, and RescueNet® 12-Lead and RescueNet Medgate programs support 12-lead receipt at participating hospitals.

Better NIBP

The noninvasive blood pressure (NIBP) technology* on the X Series is considered the gold standard for NIBP, another feature that sets the X Series apart. Only available on ZOLL monitor/defibrillators, Sure BP® and Smartcuf® make the difference. With Sure BP, you'll get pressure readings in about 15 seconds because they're detected during cuff inflation. Smartcuf synchronizes the measurement to the patient's R wave, improving accuracy and reliability.

Unsurpassed data collection and trending capability

The X Series redefines the data that should be available from a resuscitation device, the choice of how it can be transferred, the speed at which it can be sent, and access to data in an EMS system. It's the first defibrillator that has integrated WiFi for handling data. Streaming† data can even be sent to hospitals or other remote locations while you're caring for patients. And with the Snapshot feature, it's easy to capture an ECG and vital trend data 12 seconds pre-event and 12 seconds post-event with the press of a button. The X Series has enough memory to store 32 data snapshots, 24 hours of event or trend data in one-minute intervals, and 1,000 time-stamped events.

No compromise

The X Series is a very powerful new product designed specifically for EMS. And you won't have to compromise or trade off any aspect of design or performance when selecting it for your EMS operations. But it doesn't stop there. The X Series has state-of-the-art accessories and more to help you deliver the best care possible in EMS.

* Developed by Welch Allyn for the Propaq® MD

† Some capabilities will be available in future releases of compatible software

X Series Excels in Every Important Comparison

Operation	X Series	LP 15*
Weight	11.7 lbs (5.3 kg)	20.1 lbs (9.1 kg)
Size	615 cu in	1797 cu in
Water and Particle Ingress	IP55	IP44
Shock/Drop	MIL-STD 810.6, Method 516.6, 1 meter with 26 drops 26 drops at 2 meters 75 g	EN 1789, 30-inch drop onto each of 6 surfaces 5 drops on each side at 18 inches onto steel surface 40 g
Battery Pack Capacity	300 shocks @ 200 joules 360 minutes of monitoring Uses 1 battery	210 shocks @ 360 joules 180 minutes of monitoring† Uses 2 batteries †Based on 50% of the specification for 2 batteries

CPR Assistance	X Series	LP 15
Metronome	■	■
Depth Display†	■	
Rate Display†	■	
Interruption Timer†	■	
CPR Timer	■	
Full-release Display†	■	
Perfusion Indicator†	■	
Prompts on Depth†	■	

†Dashboard display

12-Lead	X Series	LP 15
Diagnostic Interpretation	■	■
Printed 12-lead	■	■
Real-time/Split Screen	■	
ECG Management	RescueNet 12-Lead No Cost	\$\$\$

Data/Communications	X Series	LP 15
Modem	USB	Serial
WiFi	■	
Bluetooth®	■	■
USB 2.0	■	
Streaming§ Waveforms and Vitals	■	
Snapshot Feature	■	

* LIFEPAK® 15 (LP 15) is a registered trademark of Physio-Control, Inc.
All comparisons are based on published specifications, descriptions, and literature.

§ Some capabilities will be available in future releases of compatible software



Accessories and more



Mounting Solutions—Storage and safety are enhanced with multiple solutions that meet regulatory standards.



RescueNet Code Review— Provides unparalleled data for QA, QI, training, and documentation.



Pediatric and Neonate NIBP Capable—Alarms automatically adjust once you select the patient type.



The SurePower System— Comprehensive automatic battery charging, testing, and capacity documentation. Handles batteries from both the X Series and the E Series®.

ePCR—Data, like 12-lead ECG snapshots, vital signs, trends, and therapeutic interventions, are all seamlessly uploaded with minimal effort using Sense 'n Sync™ capability.



The X Series is designed to instantly communicate with the RescueNet Link system, which pulls together all EMS system data, allowing communication between field and hospital and providing a window on every aspect of a call anywhere in the system.*

* This functionality will be available in future updates.



ZOLL Medical Corporation develops and markets medical devices and software solutions that help advance emergency care and save lives, while increasing clinical and operational efficiencies. With products for defibrillation and monitoring, circulation and CPR feedback, data management, fluid resuscitation, and therapeutic temperature management, ZOLL provides a comprehensive set of technologies that help clinicians, EMS and fire professionals, and lay rescuers treat victims needing resuscitation and critical care.

A NASDAQ Global Select company and a three-time Forbes 100 Most Trustworthy Company, ZOLL was designated in 2011 as one of Forbes Top 100 Small Public Companies in America with annual revenues under \$1 billion. ZOLL develops and manufactures its products in the United States, in California, Colorado, Illinois, Massachusetts, Pennsylvania, and Rhode Island. More than 400 direct sales and service representatives, 1,100 business partners, and 200 independent representatives serve our customers in over 140 countries around the globe. For more information, visit www.zoll.com.

This product is not available for distribution in Canada as it has not been reviewed and cleared by Health Canada.

**ADVANCING
RESUSCITATION.
TODAY.®**

ZOLL Medical Corporation
Worldwide Headquarters
269 Mill Road
Chelmsford, MA 01824
978-421-9655
800-348-9011

For subsidiary addresses and
fax numbers, as well as other
global locations, please go to
www.zoll.com/contacts.



Printed in U.S.A. 021210
9656-0234

© 2012 ZOLL Medical Corporation. "Advancing Resuscitation. Today.", CPR Dashboard, E Series, Real CPR Help, RescueNet, See-Thru CPR, Sense 'n Sync, Stat-padz, SurePower, X Series, and ZOLL are trademarks or registered trademarks of ZOLL Medical Corporation in the United States and/or other countries. Propaq, Smartcuf, and Sure BP are registered trademarks of Welch Allyn. Masimo, Rainbow, SET, SpCO, and SpMet are trademarks or registered trademarks of Masimo Corporation. All other trademarks are the property of their respective owners.

ZOLL®