

**X Series®**

**ZOLL®**



**Extensive Capabilities  
for Patient Transport**

# Transporting Patients Throughout the Hospital Requires the Right Equipment





## Full-Featured, yet Compact

When transporting critically ill patients, you want a monitor that is lightweight with extensive monitoring capabilities. In the event your patient arrests during transport, you also need a defibrillator. Now you can have all of these features—plus real-time CPR feedback—in one compact device. The X Series® monitor/defibrillator helps you get your patients where they need to go safely.

X Series is a full-featured monitor/defibrillator, yet it weighs less than 12 pounds. It's one of the smallest, lightest full-featured units available. Designed to be used with patients of all ages, its advanced monitoring and defibrillation capabilities extend to children and neonates. And its utility extends to managing STEMI (ST-elevation myocardial infarction) patients in the emergency department. The functionality and communications capabilities of X Series can play a role in speeding delivery of therapy when managing these patients.

## A Superb Monitor with Defibrillation Capabilities

X Series does double duty. It offers numerous advanced monitoring parameters your patients require as well as the peace of mind that comes with quick access to the enhanced capabilities inherent in ZOLL defibrillators.

In addition to 3-, 4-, 5- or 12-lead ECG monitoring, this extremely durable device can measure 10 physiologic parameters: NIBP (non-invasive blood pressure), EtCO<sub>2</sub>, SpO<sub>2</sub>, SpCO®, and SpMet® as well as three invasive blood pressures and two temperatures. ZOLL offers two options for SpO<sub>2</sub> probes: a traditional finger probe and an ear probe for use when monitoring with a finger probe is problematic. X Series simultaneously displays up to four physiological waveforms. Select the parameters that meet your hospital's transport protocol. Regardless of which measurements you're tracking, they will be easy to see—even in a dimly lit corridor—thanks to the large, high-contrast color screen.

# The Perfect Monitor for Transport

## X Series

Display four waveforms of your choice simultaneously, including a 12-lead ECG for on-screen review. One display option offers large numerical values for easy readability. And if needed, you can perform high-quality CPR with confidence thanks to CPR Dashboard™.



Visual alarm indicator

Masimo® rainbow® SET pulse CO-Oximetry

Welch Allyn NIBP with Sure BP® and SmartCut®

Oridion Microstream® capnography

Quick-access keys

The preconnected OneStep™ resuscitation electrodes enable Real CPR Help® and are used for monitoring, pacing, cardioversion, and defibrillation

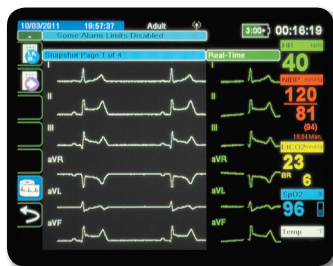
SurePower™ II  
high-capacity  
lithium-ion battery

WiFi  
connection  
icon

Ready-for-use  
indicator

Screen  
select key

24-second  
snapshot



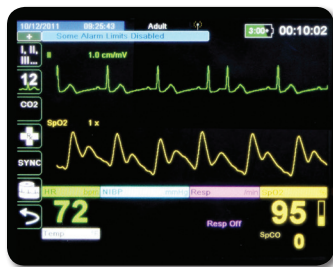
### Dynamic and Static 12-lead

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



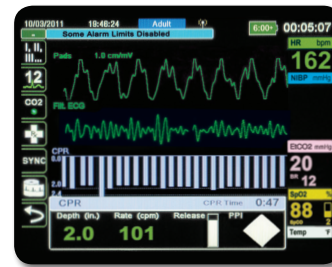
### 4-Trace Capability

Simultaneously display up to four waveforms. Choose from ECG, SpO<sub>2</sub>, Microstream EtCO<sub>2</sub>, IBP, CPR, or cascading the ECG.



### Masimo rainbow SET SpO<sub>2</sub>/SpCO/SpMet

Accurate measurements of oxygen saturation, carbon monoxide, and methemoglobin are assured.



### Unmatched CPR Support

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



### More Data, More Choices

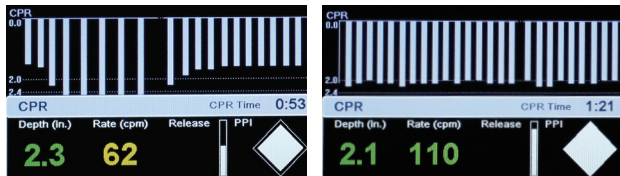
The first defibrillator with integrated WiFi, plus Bluetooth® and USB options, including cellular modem.

# One Device for Even Your Smallest Patients



## Unmatched CPR Support Inspires Confidence

Should your patient require CPR during transit, you'll have unmatched support that only ZOLL can offer. CPR Dashboard displays real-time measures that drive high-quality CPR. You can see if your compressions are of proper depth and rate and whether you're releasing quickly enough to allow for full ventricular filling. It even provides depth and rate information for pediatric patients.



Inadequate compressions → Good compressions

## Neonates to Adults

With X Series, the same device can be used to transport adults, children, and neonates. Pediatric and neonatal patients are not just small adults. They require monitoring and defibrillation capabilities that are specific to their needs. The X Series device is capable of automatically adjusting the alarm limits, NIBP inflation pressure and volume, and defibrillation energy to pediatric and neonatal protocols. And should it be necessary to defibrillate a child or infant, the energy level of the shock will be lowered automatically. When pediatric electrodes are attached, ZOLL's dedicated pediatric arrhythmia analysis algorithm is activated, distinguishing shockable versus non-shockable pediatric rhythms.

## Advanced Monitoring Technology

The X Series monitor/defibrillator incorporates the most advanced and complete monitoring solutions available, including Welch Allyn's NIBP technology, Masimo SET pulse oximetry, and Oridion's Microstream capnography. The advanced capabilities of the X Series also include the ability to measure arterial, venous, and intracranial pressures simultaneously using standard invasive pressure transducers. And industry-standard connections for surface, esophageal, and rectal temperature probes ensure X Series device is compatible with your existing hospital equipment. X Series is also equipped with auto alarms alerting you to potential patient issues during transport.

## X Series in the Emergency Department

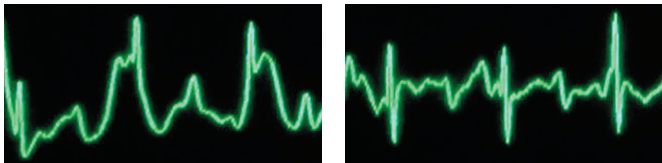
Its advanced functionality and unprecedented communication capabilities—integrated WiFi and Bluetooth are standard—combine to make the X Series monitor/defibrillator a great resource for the Emergency Department (ED) team. Whether it is used to transport a STEMI patient to a larger receiving hospital or to transfer a patient from the ED for tests and admission, X Series provides the level of monitoring needed for even your most critical patients.

The door-to-balloon clock is ticking when a patient presents in the ED with a STEMI. If your hospital does not have a cath lab and you need to transfer that patient to a STEMI-receiving hospital, X Series can help you monitor the patient and then quickly and wirelessly transfer all of the data to the receiving hospital, enabling the cath lab team to be as prepared as possible.



## See-Thru CPR

The X Series monitor also features See-Thru CPR, unique to ZOLL. See-Thru CPR filters out compression artifact so that the patient's underlying heart rhythm can be displayed during CPR. By enabling the rescuer to visualize the underlying rhythm, this technology minimizes the duration of pauses in compressions.



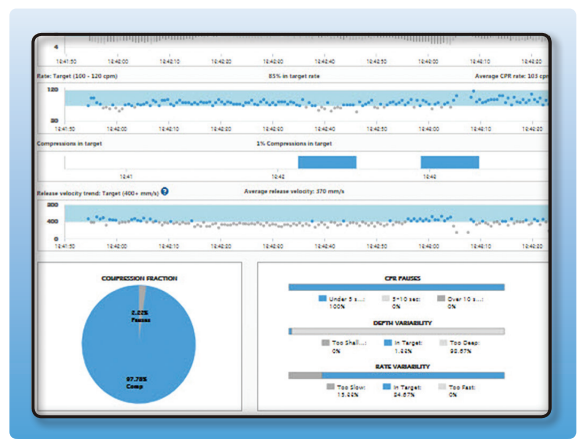
Unfiltered ECG signal during CPR      Signal filtered by See-Thru CPR

## Ease of Use

X Series utilizes the same intuitive color-coded modes of operation as the R Series® Monitor/Defibrillator you may already use on the floors, so staff will feel confident should defibrillation be required. And the rechargeable SurePower™ II high-capacity battery provides six hours of run time, much more than you'll need.

## Powerful Tool for Quantitative Debriefing

RescueNet® CaseReview collects, collates, analyzes, and manages code data to improve accuracy and simplify debriefing. Once the patient has been safely returned to the ICU, all vital sign and trend data can be seamlessly uploaded to CaseReview and ultimately to your EMR. Should a cardiac event take place during transport, code data is available for debriefing and quality improvement initiatives using the software.



RescueNet  
CaseReview



# ZOLL MEDICAL CORPORATION

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