



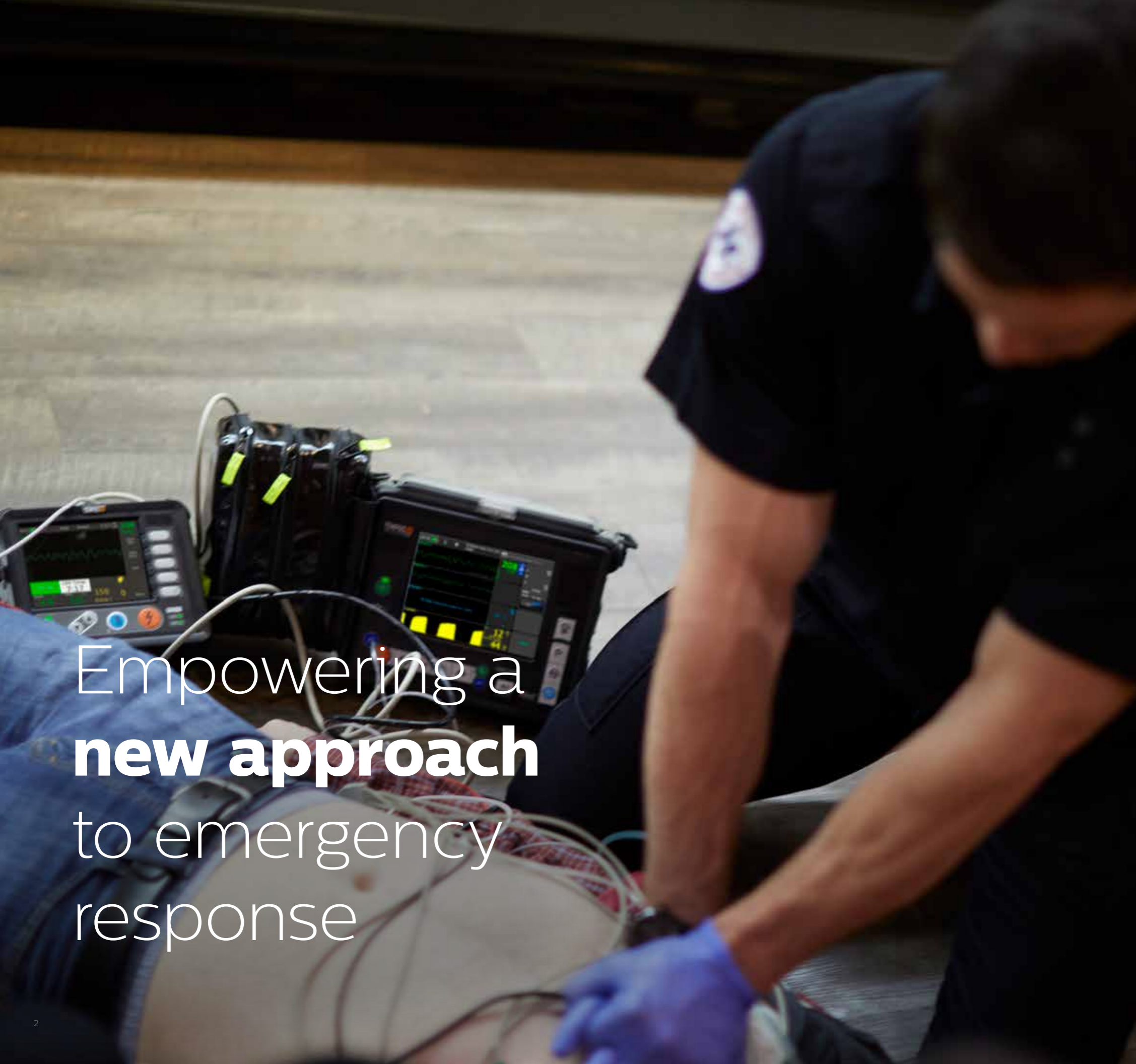
PHILIPS

Emergency Care
Professional

Tempus ALS, US

Capture. Connect. Decide.

**Tempus ALS monitor/defibrillator system
with IntelliSpace Corsium**



Empowering a
new approach
to emergency
response

Tempus ALS system in a modular form-factor

Imagine not having to carry a 20+ lbs. monitor to scene.
With Tempus ALS you don't need to.

Tempus ALS is a modern approach to prehospital monitoring and defibrillation. Designed to empower caregivers to focus on the patient and not be distracted or burdened by the equipment they need to use, the modular Tempus ALS system is comprised of a Tempus Pro monitor and a Tempus LS-Manual professional defibrillator.¹

Each device can be used to perform its monitoring or therapy functions separately – but devices connect wirelessly when together to share data. With two systems working as one, Tempus ALS provides a unique solution for emergency medical providers.

The Tempus Pro monitor can be carried on a shoulder strap, while the Tempus LS-Manual defibrillator is small and light enough to be stored in a first-in bag. This helps reduce potential risks associated with carrying bulky equipment to scene and keep critical life-saving equipment protected and accessible.

Offering handling benefits while also keeping your critical therapy device protected and always on-hand, the Tempus ALS provides a powerful system, that can be deployed across various emergency response vehicles.

In use, the Tempus ALS' dual-screens allow for greater visibility. In resuscitation cases one display is focused on defibrillation therapy and the other on patient monitoring, while additional data entry opportunities help capture rich event-driven data.

With reliable transmission, data can be viewed in a user-friendly format throughout the patient journey without the need for additional software on a PC, tablet or smartphone.²

Using exclusive data communication technologies, Tempus ALS allows for real-time streaming of vitals, waveforms and images to Philips IntelliSpace Corsium web-based clinical dashboards.³

Designed with powerful security protocols, Tempus ALS with IntelliSpace Corsium data management provides interactive ECG measurement, diagnosis and two-way communication. Seamless electronic Patient Care Record (ePCR) integration supports improved accuracy of records and patient care transfer. Clinical and operational dashboards can simplify and support scalable deployment and utilization.

The Tempus ALS, although small, is extremely durable and packed with all the functionality you need.

Advanced monitoring and resuscitation in a **compact** solution

Tempus Pro **Monitor**

Compact and lightweight

Standalone size: 10.3" wide x 8.5" high x 3.9" deep
Standalone weight: 7 lbs. nominal including battery and printer, excluding IP module and accessories (without printer 6.4 lbs.)

Color Display

Color 6.5" 640x480 pixels, 130 Klux daylight readable display

On-Screen Trends & Events

Graphical and tabular format for all vital signs parameters TCCC data capture format. Summary record of care of drugs, fluids, therapies and interventions provided

Enhanced Data Service (EDS)

EDS is a proprietary and secure data transfer protocol, which is unique to Tempus Pro. It reduces risk of patient data loss caused by poor signal strength when transmitting data

Advanced features

Integrated Camera and 4.3" thermal printer, plug-in Ultrasound and Video Laryngoscopy⁸

Long-life battery

At least 10.75 hours Li-Ion battery with a display brightness of 60%

Extended secondary display

Up to 6 waveforms can be displayed to an android tablet via Corsium Crew app where available⁸

Smart Mount

Docking and charging station compliant with ground and air (fixed and rotary wing) vehicles⁸



7 lbs.



4.3 lbs.

Tempus LS-Manual **Defibrillator**

Compact and lightweight

Standalone size: 7.9" wide x 6.5" high x 2.8" deep (excluding rear clip)
Standalone weight: 4.3 lbs. with battery (without accessories)

Easy to Use

Connects wirelessly to Tempus Pro Monitor when in use

Data flow

All resuscitation data automatically flows in to the SRoC

Biphasic waveform

Trusted high performance BTE biphasic waveform

Long-life battery

At least 300 shocks at 200J from a fully charged battery or >12 hours ECG monitoring from a fully charged battery

Mounting solution

Docking and charging station for all types of vehicles⁸

Advanced capabilities to help support clear and **documented** decision making

A platform for growth

The Tempus ALS was designed with growth in mind to help accommodate your needs and budget. By adopting universal technology standards and connectors, the Tempus ALS is built to evolve along with your needs.

USB and wireless interfaces allow for expanded monitoring and diagnostics, without having to manage separate devices, such as a video laryngoscope or an ultrasound device and displays. Moreover, the proprietary communication technologies mean data can be stored, viewed and shared in alternative ways.

Ultrasound and vascular examinations

An optional plug-in ultrasound transducer can be used to extend the capabilities of the Tempus Pro platform to provide basic ultrasound assessment when a detailed, high quality image is not required.

- 3.5 MHz ultrasound probe for general purpose
- 7.5 MHz ultrasound probe for line placement and vascular examinations
- Automatic creation of a FAST exam report for automatic inclusion in the record of care⁶
- FAST exam report can be transmitted in real-time or post event³



Video Laryngoscopy

An optional plug in Karl Storz-C-MAC[®] video laryngoscope imager can be used to give video laryngoscopy support during airway management.

- A range of disposable Macintosh and D-blades are available to enable video laryngoscope images to be visualised on the Tempus Pro display
- View vitals, including capnography and SpO₂ while intubating the patient
- Still images can be captured and automatically included in the record of care
- Still images can be transmitted in real-time or post event

Philips IntelliSpace Corsium

Real-time rich data transfer and two-way communication



Benefits

Philips IntelliSpace Corsium is a web-based software platform that unlocks the power of the Tempus ALS. With the ability to capture rich levels of on-scene clinical and patient data, IntelliSpace Corsium allows Tempus ALS users to quickly share data and collaborate.

Using proprietary encryption and data transmission technologies, rich event driven clinical data, including vitals and images, can be securely shared in real-time and reviewed for two-way consultation, enabling rapid clinical and transport decision support and helping provide seamless ePCR integration.

- Supports confident on-site diagnosis.
- Contributes to improved patient contact and experience.
- ePCR integration simplifies patient care transfer.
- Supports transport decisions.
- Better visibility of data for more efficient queue management.
- Helps improve accuracy of patient record.
- Lessen the burden of collecting and processing patient data.
- Supports efficiency in resource deployment.
- Upgradable hardware platform to optimize your investment.



Clinical

Operational

Financial

Adding an extra layer of **confidence**

You are expected to make important decisions every day, every minute. Whether you're a field medic seeking medical guidance, an operations manager deploying equipment across a system or a medical director understanding a clinical challenge, IntelliSpace Corsium is here to help support your clinical decisions with rich data and clear guidance.



Meet increasing demand



Transport to specialized or primary care



Key patient physiological and event data in real-time



Empower clinical decision making



Measure quality of care



Over the air configuration



Optimize and streamline patient care



Event synchronized physiological data



Patient care transfer and ePCR integration are seamless





Tempus ALS with IntelliSpace Corsium

Multiple benefits for different stakeholders

Challenges	Tempus ALS and IntelliSpace Corsium solution
<p>Manual handling issues Equipment carried on-scene is heavy.</p>	<p>Modular system: 7 lbs. monitor for shoulder carry and 4.3 lbs. professional defibrillator in a medical response bag, only taking up a small amount of space.⁴</p>
<p>Clinical decision support limited data transmitted for on-scene support.</p>	<p>Rich, event-driven data collected, time-synchronized to patient physiological data. Secure two-way transmission enables quick review and decision support. Ability to extend the capabilities to plug in USB and video laryngoscopy.</p>
<p>Reliability Equipment is damaged as used in unpredictable conditions.</p>	<p>The Tempus Pro is IP66 rated and tested to high durability standards. It is the monitor of choice for a number of militaries across the globe with reputation for reliability and robustness. Tempus LS-Manual is small enough to live in a medical response bag, where it remains until required and connects wirelessly with the Tempus Pro when in use.</p>
<p>Clinical decision making A lot to do on-scene, limited time/capacity to deliver optimal care and complete records.</p>	<p>Time-synchronized physiological data is collected automatically and augmented with manual event-driven data collected directly on the monitor. All data can be streamed directly via a web browser for quick review and in to ePCR. No double documentation needed. When deployed in resuscitation cases, one display is focused on defibrillation Tempus LS-Manual therapy and the other on patient monitoring (Tempus Pro), improving visualization of events – enables a caregiver to focus precisely on the care with minimal distraction. All resuscitation data is automatically captured, transmitted and easily exported in to ePCR.</p>
<p>Governance Record keeping can be inaccurate and documented post-event.</p>	<p>Tempus ALS provides automated, time-synchronized collection of events, diagnostic assessment and patient physiological data. Along with flexible manual notation, all stamped resuscitation data can be automatically streamed into IntelliSpace Corsium for immediate review and analysis.</p>
<p>Data and Connectivity Unreliable data transmission and comms.</p>	<p>Tempus ALS enables rich data transmission and encryption. Our data platform has been developed and tested in conjunction with military and EMS.</p>
<p>Workflow Patient care transfer can be a lengthy process.</p>	<p>The Summary Record of Care (SRoC) can be automatically flowed in to an ePCR with the IntelliSpace Corsium software. On-scene data and an accurate real-time view of patient status can be monitored directly in the Emergency Department.</p>
<p>Standardization Need to have a standard of care across all responder vehicle types.</p>	<p>The Tempus ALS can be deployed in to any emergency vehicle and medical response bag. Web-based data review can minimize operational down time.</p>



1. Tempus LS-Manual is 510(k) cleared and available for sale in the US
2. Reliable data transmission (EDS) is streamed automatically during the initial assessment and transport of the patient using Enhanced Data Service (EDS) protocol. EDS is designed to ensure effective data transfer even when the underlying connectivity is poor or of low bandwidth
3. Depending on network availability there may be a 2-3 second delay between display of the data on the Tempus Pro and display of the same data on IntelliSpace Corsium
4. Tempus Pro standalone weight: 7 lbs. nominal including battery and printer, excluding IP module and accessories. Tempus LS-Manual standalone weight: 4.3 lbs. with battery (without accessories)
5. Limitations apply and contract required with relevant service provider
6. Not yet available in the US
7. Tempus LS-Manual for manual defibrillation only
8. Optional, additional feature
9. One channel fitted as standard second channel is optional.
10. Display active 50% of the time.
11. Subject to conditions of storage and use, times are approximate
12. Tempus switched off while charging, charging takes longer when the device is active
13. i2i ReachBak only
14. Test done without printing.
15. GPS accuracy depends on the number of satellites visible to the device
16. If enabled



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