

N64W23760 Main Street Sussex, Wisconsin 53089 Phone (262) 246-5200 FAX (262) 246-5222

Email: <u>info@villagesussex.org</u>
Website: www.villagesussex.org

### PUBLIC SAFETY & WELFARE COMMITTEE VILLAGE OF SUSSEX 6:00 P.M. TUESDAY, JUNE 17, 2025 SUSSEX CIVIC CENTER – COMMITTEE ROOM 2<sup>nd</sup> FLOOR N64W23760 MAIN STREET

Pursuant to the requirements of Section 19.84, Wis. Stats., notice is hereby given of a meeting of a Village Committee, at which a quorum of the Village Board may attend in order to gather information about a subject which they have decision making responsibility. The meeting will be held at the above noted date, time and location. Notice of Village Board Quorum, (Chairperson to announce the following if a quorum of the Village Board is in attendance at the meeting: Please let the minutes reflect that a quorum of the Village Board is present and that the Village Board members may be making comments under the Public Comments section of the agenda, during any Public Hearing(s) or if the rules are suspended to allow them to do so.)

- 1. Roll call.
- 2. Consideration and possible action on minutes from meeting of February 18, 2025.
- 3. Discussion and possible action on Police Items.
  - A. Police Chief's Report.
  - B. Deer Management Options
  - C. E-Bikes and regulation
  - D. Signage at crosswalks
- 4. Discussion and possible action on Fire Items.
  - A. Fire Chief's Report.
  - B. Purchase of Cardiac Monitors
- 5. Adjournment.

| Stacey Riedel Chairperson |  |  |
|---------------------------|--|--|
| Champerson                |  |  |
|                           |  |  |
|                           |  |  |
|                           |  |  |
|                           |  |  |
|                           |  |  |
| Jeremy Smith              |  |  |

Please note that, upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through appropriate aids and services. For additional information or to request this service, contact Jeremy Smith at 246-5200.

### VILLAGE OF SUSSEX SUSSEX, WISCONSIN

### Minutes of the Public Safety and Welfare Committee of February 18, 2025

### 1. Roll Call:

The meeting was called to order at 6:00 p.m. at the Civic Center.

Members present: Kasey Fluet, Ron Wells, Stacy Riedel

Members absent: Ben Jarvis

Also present: Fire Chief Kris Grod, Police Lt. Cory Farrell, Village Administrator

Jeremy Smith, Assistant Village Administrator Katherine Gehl, and

Village President Anthony LeDonne

### 2. Consideration and possible action on minutes:

A motion by Wells, seconded by Fluet to approve the September 17, 2024 minutes as presented.

Motion carried 3-0

### 3. Police Items:

### A. Police Chief's Report

Lt. Cory Farrell summarized the report included in the meeting packet.

### B. Request for No Parking

A motion by Wells, seconded by Fluet to approve a no parking sign on Sussex Road between Silver Spring Drive and the first driveway to Nature's Path on the east side of the road.

Motion carried 3-0

### 4. Fire Items:

### A. Fire Chief's Report

Chief Grod summarized the report included in the meeting packet.

### B. Intermunicipal Agreement to share training equipment

A motion by Wells, seconded by Fluet to recommend approval to purchase new training equipment to be shared with the Town of Brookfield Fire Department, Village of Merton Fire Department, Village of Waukesha Fire Department, Mukwonago Fire Department, Vernon Fire Department, and Kettle Moraine Fire District subject to approval of final language.

Motion carried 3-0

### B. Intermunicipal Agreement with the Village of Merton

A motion by Fluet, seconded by Wells to recommend approval of an Advanced Life Support Agreement with the Village of Merton.

Motion carried 3-0

**<u>5. Adjournment</u>** A motion by Wells, seconded by Fluet to adjourn the meeting at 6:20p.m. Motion carried 3-0

Respectfully submitted, Jennifer Boehm Village Clerk



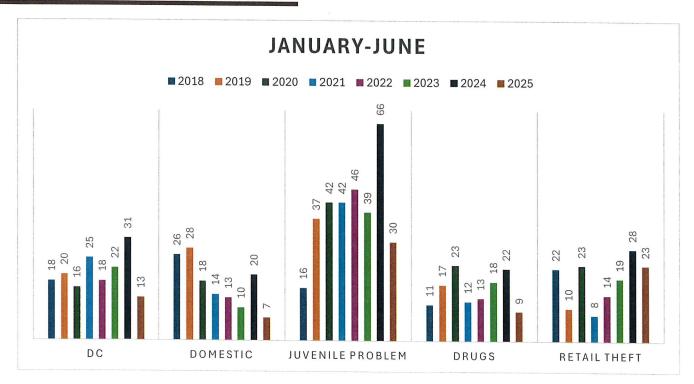


### June 2025 Northeast Substation

| FI                     | OCK Safety     | P         |
|------------------------|----------------|-----------|
| SUSX_V                 |                |           |
| <b>3</b> -22-2025      | Wanted Person  | Arrested  |
| 3-27-2025              | Stolen Vehicle | NLS I     |
| I                      |                | I.        |
| ILISB_V                |                | !         |
| 3-09-2025              | Wanted Person  | UTL !     |
| <sup>1</sup> 3-11-2025 | Stolen Vehicle | Located ! |
| 5-23-2025              | Stolen Vehicle | NLS       |
| I                      |                | 1         |



Village of Sussex Statistics \*2025 January—May



### OFFICE OF THE SHERIFF





515 W. Moreland Blvd. Box 1488 Waukesha, WI 53187

Waukesha County Jail Box 0217 Waukesha, WI 53187

Waukesha County Huber 1400 Northview Road Waukesha, WI 53188

### ERIC SEVERSON, Sheriff

June, 01, 2025

Public Safety Committee

Members,

At the request of the Public Safety Committee, I have prepared preliminary research regarding a Deer Management Program for the Village of Sussex.

A Deer Management Program would be implemented with the intent to monitor and manage the deer population within the Village of Sussex. This type of program is generally instituted within community a when the deer population contribute to health and safety concerns and excessive complaints of nuisance, property damage and plant eradication.

The scope and impact of the excessive deer population within the Village of Sussex has not yet been determined. To do this, we can evaluate the impact of the deer population by evaluating citizen complaints and the number of motor vehicle accidents caused by deer. Another common practice to determine the deer population would be to conduct an aerial count survey.

Statistics regarding deer damage reported to the Sheriff's Department do not indicate there is a rising population of deer at this time.

### **OPTIONS**

There are several options for Deer Management within a community which are briefly described below:

• Sharpshooters: Utilize sharpshooters to bait and humanely dispatch the deer. This method requires the Village to partner with the Department of Natural Recourses (DNR) to obtain permits/tags. A professional sharpshooter organization would be hired by the Village of Sussex to dispatch the deer in safe locations. Both public and private locations are acceptable. The locations are based on excessive citizen complaints in specific areas and areas that are determined to have high deer populations based on the aerial count survey. Private locations require the resident to agree and sign a waiver. The final site location should be determined in conjunction with the sharpshooter contractor, DNR, Waukesha Sheriff's Captain and the Village of Sussex Administrator or designee. The program would generally take place between January and March. There are several options for disposal of the deer. Examples

include, partnering with a butcher and donating the meat to a food pantry, conducting a raffle or allowing the public to sign up to claim the deer on a first come basis.

Utilization of professional bow hunters is another option in the above-described plan, however not nearly as effective.

Utilizing sharpshooters to eradicate approximately 40 deer annually is an approximate annual cost of \$15,000. The exact cost of the program cannot be determined until a contractor would be set in place as cost varies per organization. This estimate is based off of other municipalities past expenses.

Pursuant to DNR regulations, consent would need to be obtained in writing from all the residence who own property within 300 feet of the shooting platform. (If consent cannot be obtained, a procedure known as netting could be implemented, this procedure utilizes a net to trap the animal and the animal is dispatched on scene without the use of a gun or bow, this is significantly more expensive)

An Ariel count survey is approximately \$2,500. Some communities perform this annually, some do not perform this at all.

Our local Ordinance would need to be updated to reflect the use of firearms as authorized when permission is given for use in the Deer Management Program.

- Capture and Sterilize: This Deer Management Program is not widely utilized and is costly. The same initial premise as the sharpshooter method would be utilized. The Village of Sussex would have to hire a professional trapper and they would utilize a dart to tranquilize the deer, perform a sterilization procedure and release the deer. This option could also consist of relocation of the deer. I was not able to find any other communities that utilize this technique.
- Hunting: The Village of Sussex could promote antlerless hunting with a bow and arrow or crossbow within the Village of Sussex. The current Village of Sussex Ordinance allows for hunting with a bow and arrow or crossbow on lands, with permission of the land owner, more than 100 yards from a building as defined in Wis. Stats. §29.038 unless the person who owns the land on which the building is located allows the hunter to hunt within 100 yards of the building. Any person who hunts with a bow and arrow or crossbow under this section must discharge the arrow or bolt from the respective weapon toward the ground. This would require partnering with the DNR and communicating with the hunters the intent of the Deer Management Program. The hunters would be required to obtain permits from the DNR.
- Education: Provide education to the public on deer abatement options. There are numerous resources on the internet that provide abatement education. The information provides education on repellants, fencing and scare devices. This information could be captured and made available to those reporting deer nuisances.

This information was obtained from other municipalities that are currently utilizing a Deer Management Program and the DNR. The options mentioned above can be utilized alone or in conjunction with one another.

### **FUNDING**

The Wisconsin DNR offers a grant through Urban Wildlife Damage Abatement and Control (UWDAC). This grant helps urban areas develop wildlife plans, implement specific damage abatement and/or control measures for white-tailed deer and/or Canada geese. This grant program was created to foster and encourage communities to solve overabundant wildlife concerns by awarding 50/50 reimbursement grants up to a maximum of \$5,000. The grant opens October 1, 2025 and would be awarded in 2026. The Village of Sussex is eligible to apply for this grant.

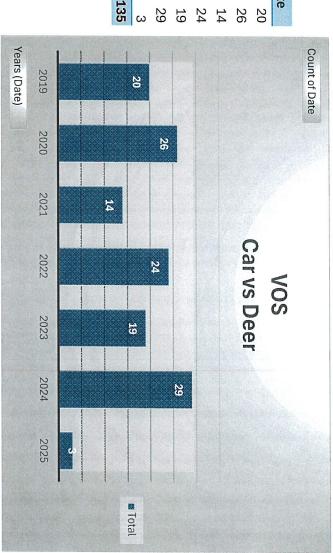
If you have any further questions, please do not hesitate to contact me.

Respectfully,

Captain Lisa M. Panas

|               | THE VEHICLE OF THE PROPERTY OF |
|---------------|--|
| 135           | <b>Grand Total</b>   |
| ω             | 2025   |
| 29            | 2024   |
| 19            | 2023   |
| 24            | 2022   |
| 14            | 2021   |
| 26            | 2020   |
| 20            | 2019   |
| Count of Date | Row Labels   |

as of 5-9-25 SS



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### ERIC SEVERSON, Sheriff

June 01, 2025

Public Safety Committee

Members,

At the request of the Public Safety Committee, I have prepared preliminary research reference Electric-Bikes relating to Public Safety.

Statistics do not indicate a public safety concern with E-bike operation. In 2024 there not any calls for service and in 2025 there has been one call for service regarding E-bikes. There was one vehicle versus bicycle crash in 2024 and one in 2023. It is unknown if these were E-bicycles or traditional bicycles, the information is irrelevant based upon the manners of collision. There were not any reported yet in 2025.

Electric bicycles or E-Bikes are bicycles with an attached motor that provides assistance and are permitted in the Village of Sussex. E-bike users must follow the same rules as traditional bicycles. There was one vehicle versus bicycle crash in 2024 and one in 2023. It is unknown if these were E-bicycles or traditional bicycles, the

E-bikes were legalized in 2019. The 2019 Wisconsin Act 34 was signed into law. This law contains the following:

- Created three categories of electric bicycles based on the type of motor and assistance it provides to the rider.
- Specifies that riders under the age of 16 cannot ride a Class C electric bicycle that allows the motor to assist riders up to 28 miles per hour.
- Requires manufacturers to permanently affix a label that provides classification of the bicycles motor; and,
- Ensures that electric bicycles are regulated and treated in the same manner as human-powered bicycles, except that local municipalities or the Department of Natural Resources may prohibit the use of electric bicycles on a bike path under its jurisdiction.

Under Wisconsin law, e-bikes are defined into three classifications.

- Class 1 E-bike: Provides electrical assistance only while the rider is pedaling, assist up to 20 mph.
- Class 2 E-bike: Provides electrical assistance regardless of if the rider is pedaling or not, assist up to 20mph.

• Class 3 E-bike: Provides assistance only while the rider is pedaling, assist up to 28 mph. Must have a speedometer. May not be operated by anyone under the age of 16.

Wisconsin Act 34 amended various sections of State Statues. These statues are enforceable through Village of Sussex Ordinance 7.01. State and Traffic Laws adopted, Statues 340-350.

With E-bikes becoming popular the Sheriffs Department can continue to monitor calls for service and determine if there appears to be a trend that would have an impact of Public Safety.

We can educate the public on the laws governing E-bike usage and provide safety tips to enhance Public Safety. This message can be delivered via social media and discussions at public events and other interactions with citizens.

A local ordinance can be created to give guidance on where E-bikes can be ridden.

We currently utilize E-bikes for patrol activities when circumstances allow, this is also an opportunity for engagement with the public reference safe riding.

Any input regarding this topic from the Public Safety Committee or general public are encouraged.

If you have any further questions, please do not hesitate to contact me.

Respectfully,

Captain Lisa M. Panas

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### ERIC SEVERSON, Sheriff

June 01, 2025

Public Safety Committee

Members,

At the request of the Public Safety Committee, I have prepared preliminary information reference crosswalks in the community as they relate to Public Safety.

There are approximately 119 marked crosswalks in the Village of Sussex. The crosswalks are marked with paint to signify the crossing area. Several higher volume crosswalks have additional tools to divert attention to the crossing for safety purposes.

Some tools that are commonly used for enhanced crosswalk safety are signage, push button walk signals and a center strip tent indicating a crossing area.

Statistics do not signify a public safety concern. In 2024 there were four vehicle/pedestrian accidents, none were crosswalk related. In 2023 there was one vehicle/pedestrian accident, this was crosswalk related. This occurred on Main Street at the exit from Sussex IM. An individual was driving his bicycle westbound through the crosswalk and was struck by a vehicle exiting the lot.

Information regarding crosswalk safety and laws relating to right of way in crosswalks is disseminated regularly via social media. Crosswalk rules for both pedestrians and vehicle operators are governed by WI State Statue, generally found in chapters 340 and 346.

While accidents occur regularly and can occur at anytime; maintaining fresh paint marking the crossing areas, adequate signage, utilizing other measures in high volume areas and continuing to educate the public on pedestrian safety and right away enhance the safety of the marked crossings in the Village of Sussex. The current signage at crosswalks appears sufficient to direct pedestrians and vehicular traffic as to proper use of crosswalks. Additional signage may be a distraction to the actual crosswalk.

If you have any further questions, please do not hesitate to contact me.

Respectfully,

Captain Lisa M. Panas

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If you have any further questions, please do not hesitate to contact me.

Respectfully,

Captain Lisa M. Panas



### Village of Sussex Fire Department N63 W24335 Main Street Sussex, Wisconsin 53089

Kristopher Grod Fire Chief Fire Station - Business 262-246-5235 Fire Station - FAX 262-246-5196

**Date: June 9, 2025** 

To: Village of Sussex Public Safety & Welfare Committee

From: Kristopher Grod, Fire Chief

**RE:** Fire Chief's Report June 2025

### EMPLOYEE DEVELOPMENT

|       | 2025 SUSSEX FIRE DEPARTMENT TRAINING HOURS     |        |       |       |  |  |  |     |  |  |  |
|-------|--|--------|-------|-------|--|--|--|-----|--|--|--|
| JAN   | JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DE |        |       |       |  |  |  | DEC |  |  |  |
| 250.0 | 234.5  | 242.25 | 246.0 | 243.5 |  |  |  |     |  |  |  |

(Table represents total training hours for ALL SFD staff)

**Average Response Times 2025:** (For emergency responses, time of notification to arrival on scene)

| Month    | EMS  | Fire | Month     | EMS | Fire |
|----------|------|------|-----------|-----|------|
| January  | 4:51 | 5:27 | July      |     |      |
| February | 4:34 | 5:36 | August    |     |      |
| March    | 4:42 | 5:40 | September |     |      |
| April    | 4:39 | 5:22 | October   |     |      |
| May      | 4:31 | 5:31 | November  |     |      |
| June     |      |      | December  |     |      |

### **CURRENT STAFF**

| SFD Personnel by Rank |    |  |  |  |
|-----------------------|----|--|--|--|
| Chief                 | 1  |  |  |  |
| Deputy Chief          | 2  |  |  |  |
| Lieutenant            | 4  |  |  |  |
| Firefighter           | 29 |  |  |  |
| Recruit               | 5  |  |  |  |
| Total Members         | 41 |  |  |  |

| SFD Certifications |                          |                         |  |  |  |  |
|--------------------|--------------------------|-------------------------|--|--|--|--|
| Certification Name | <b>Members Certified</b> | Percentage of Members   |  |  |  |  |
|                    |                          | Certified to That Level |  |  |  |  |
| Firefighter I      | 37                       | 90%                     |  |  |  |  |

| Certification Name               | Members Certified | Percentage of Members   |  |  |
|----------------------------------|-------------------|-------------------------|--|--|
|                                  |                   | Certified to That Level |  |  |
| Firefighter II                   | 24                | 59%                     |  |  |
| Driver/Operator - Pumper         | 23                | 56%                     |  |  |
| Driver/Operator - Aerial         | 16                | 39%                     |  |  |
| Emergency Services Instructor I  | 10                | 24%                     |  |  |
| Emergency Services Instructor II | 2                 | 5%                      |  |  |
| Fire Officer I                   | 12                | 29%                     |  |  |
| Fire Officer II                  | 1                 | 2%                      |  |  |
| Fire Inspector                   | 12                | 29%                     |  |  |
| No Fire Certifications           | 3                 | 7%                      |  |  |
| EMT-Basic                        | 15                | 37%                     |  |  |
| EMT-Advanced                     | 2                 | 5%                      |  |  |
| EMT-Paramedic                    | 13                | 32%                     |  |  |
| Critical Care Paramedic          | 6                 | 15%                     |  |  |
| No EMS Certifications            | 5                 | 12%                     |  |  |
| ICS 100                          | 39                | 95%                     |  |  |
| ICS 200                          | 27                | 66%                     |  |  |
| ICS 300                          | 8                 | 19%                     |  |  |
| ICS 400                          | 4                 | 10%                     |  |  |
| ICS 700                          | 39                | 95%                     |  |  |
| ICS 800                          | 19                | 46%                     |  |  |
| Haz Mat Awareness                | 0                 | 0%                      |  |  |
| Haz Mat Operations               | 32                | 78%                     |  |  |
| Haz Mat Technician               | 3                 | 7%                      |  |  |
| Haz Mat Specialist               | 1                 | 2%                      |  |  |

### 2025 STATISTICS

| Incident Type Summary | January 1, 2025, through May 31, 2025 |                     |  |  |
|-----------------------|---------------------------------------|---------------------|--|--|
| Incident Type         | Count (2024)                          | Percentage of Total |  |  |
| Fire                  | 13 (21)                               | 2.6%                |  |  |

| Overpressure Rupture, Explosion, Overheat | 0 (0)            | 0%    |
|---|------------------|-------|
| (No Fire)                                 |                  |       |
| Rescue and Emergency Medical Service      | 361 <b>(361)</b> | 72.5% |
| (EMS) Incidents                           |                  |       |
| Hazardous Condition (No Fire)             | 14 (6)           | 2.8%  |
| Service Call                              | 47 (34)          | 9.4%  |
| Good Intent Call                          | 41 (27)          | 8.2%  |
| False Alarm and False Call                | 22 (34)          | 4.5%  |
| Severe Weather and Natural Disaster       | 0 (0)            | 0%    |
| Special Incident Type                     | 0 (0)            | 0%    |
| Total                                     | 498 (483)        | 100%  |

### **Mutual Aid Given – EMS**

Menomonee Falls – 15

Merton - 15

### Mutual Aid Given - Fire

Western Lakes – 2

Southern Ozaukee – 2

Pewaukee – 2

Richfield - 2

Merton - 1

Hartland - 1

Brookfield (City) – 1

### **Calls Totals Per Shift**

Red Shift – 163

Blue Shift - 168

Green Shift – 167

### **Resignations From Department:**

N/A

### **Returned From Leave of Absence:**

• N/A

### **Current Members on Leave of Absence:**

• Ryan Hubley, Jason Langland, Caleb Lossman

### **Newly Hired Employees:**

### **Mutual Aid Received - EMS**

 $\overline{Merton - 2}$ 

Pewaukee – 9

Brookfield (City) – 1

### **Mutual Aid Received - Fire**

Merton - 3

Lake Country – 2

Menomonee Falls – 2

Pewaukee-2

Hartland - 2

- Taide Romero Part-Time Firefighter/EMT
- Will Vaile Part-Time Firefighter/EMT
   Taylor Phillips Part-Time Firefighter/EMT
- Sloan Zsohar Paid-on-Call Recruit
- Jarett Borkowski Paid-on-Call Recruit

### Village of Sussex Fire Department N63 W24335 Main Street Sussex, Wisconsin 53089

Kristopher Grod Fire Chief Fire Station - Business 262-246-5235 Fire Station - FAX 262-246-5196

DATE: June 9, 2025

TO: Village of Sussex Public Safety and Welfare Committee

FROM: Kristopher Grod, Fire Chief

RE: Cardiac Monitor/Defibrillator Purchase

The Village of Sussex Fire Department is requesting to purchase two (2) new cardiac monitors/defibrillators to continue with equipment replacement. The cardiac monitors/defibrillators we carry on our ambulances were purchased in 2010; replacement parts and software updates for these models are becoming increasingly difficult to find.

Our cardiac monitors are one of the tools utilized on every EMS call our department responds to. These are used for more than just patients in cardiac arrest; we utilize them for obtaining blood pressure, pulse rate, blood oxygen saturation, waveform capnography, carbon monoxide levels on victims exposed to smoke inhalation, acquiring a 12-lead EKG on patients with the ability to transmit these to the hospital to allow for Cath lab activation of cardiac patients.

We received three quotes on our cardiac monitors: Stryker, Zoll, and Phillips. Our current cardiac monitors are manufactured by Stryker and used primarily in Waukesha County. Some fire departments around the Milwaukee Metro area utilize zoll cardiac monitors. Phillips is experiencing some issues with obtaining approval from the Food and Drug Administration (FDA) for their software and being able to protect patient privacy. They have not been able to shift new cardiac monitors since 2024 and do not anticipate shipping until possibly June 2026. Based on the quotes received, I recommend purchasing two (2) Lifepak 35 cardiac monitors/defibrillators from Stryker for the cost of \$107,771.84.

Sincerely,

Kristopher S. Grod Fire Chief

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Sincerely,

Kristopher S. Grod Fire Chief



269 Mill Road Chelmsford, MA 01824-4105 Federal ID# 04-2711626

> Phone: (800) 348-9011 Fax: (978) 421-0015 Email: esales@zoll.com

Quote No: Q-112908 Version: 1

Sussex Fire Department N64 W23760 Main Street Sussex, WI 53089

ZOLL Customer No: 357322

Kristopher Grod (262) 246-5235 kgrod@sussexwi.gov Quote No: Q-112908

Version: 1

Issued Date: June 12, 2025 Expiration Date: June 30, 2025

Terms: NET 30 DAYS

FOB: Destination Freight: Free Freight

Prepared by: Daniel Brehm EMS Territory Manager dbrehm@zoll.com +1 2623128868

| Item | Contract<br>Reference | Part Number    | Description  | Qty | List Price  | Adj. Price  | Total Price |
|------|-----------------------|----------------|--|-----|-------------|-------------|-------------|
| 1    | 1537133               | 601-2231111-01 | X Series Advanced Monitor/Defibrillator - 12-Lead ECG, Pacing, SpO2, SpCO, EtCO2, BVM, NIBP, CPR Expansion Pack  Includes: TBI Dashboard, 4 trace tri-mode display monitor/ defibrillator/ printer, advisory algorithm, advanced communications package (Wi-Fi, Bluetooth, USB cellular modem capable) USB data transfer capable and large 6.5in (16.5cm) diagonal screen. Accessories Included: MFC cable and CPR connector, A/C power cord, One (1) roll printer paper, 6.6 Ah Li-ion battery, Operators Manual, Quick Reference Guide, and One (1)-year EMS warranty.  Parameter Details: Real CPR Help - Dashboard display of CPR Depth and Rate for Adult and Pediatric patients, Visual and audio prompts to coach CPR depth (Adult patient only), Release bar to ensure adequate release off the chest, Metronome to coach rate for Adult and Pediatric patients. See-Thru ® CPR artifact filtering • Interpretative 12-Lead ECG (Full 12 ECG lead view with both dynamic and static 12-lead mode display. 12-Lead OneStep ECG cable - includes 4-Lead limb lead cable and removable precordial 6-Lead set) • ZOLL Noninvasive Pacing Technology • Real BVM Help: Dashboard provides real-time ventilation feedback on both volume and rate for intubated and non-intubated patients. AccuVent Cable included. (Accuvent disposable sensors sold separately) • Welch Allyn NIBP with Smartcuff. 10 foot Dual Lumen hose and SureBP Reusable Adult Medium Cuff • Masimo SpO2 & SpCO with Signal Extraction Technology (SET), Rainbow SET® • EtCO2 Oridion Microstream Technology. Microstream tubing set sold separately • | 2   | \$56,663.00 | \$45,110.66 | \$90,221.32 |
| 2    | 1537133               | 8000-001128    | Accuvent Flow Tube (Box of 10)   | 1   | \$821.00    | \$653.54    | \$653.54    |



269 Mill Road Chelmsford, MA 01824-4105 Federal ID# 04-2711626

> Phone: (800) 348-9011 Fax: (978) 421-0015 Email: esales@zoll.com

Sussex Fire Department Quote No: Q-112908 Version: 1

| Item |           | Part Number     | Description   | Qty | List Price | Adj. Price | Total Price |
|------|-----------|-----------------|---|-----|------------|------------|-------------|
|      | Reference | DELICE 15       | W. I. A. BEUGE 12 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2  |     | A ·        |            | <b>A</b>    |
| 3    | 1537133   | REUSE-12-2MQ    | Welch Allyn REUSE-12-2MQ Cuff, Lg Adult, 2-<br>Tube, Twist Lock connector   | 2   | \$42.00    | \$37.80    | \$75.60     |
| 4    | 1537133   | REUSE-10-2MQ    | Welch Allyn REUSE-10-2MQ Cuff, Small Adult, 2-<br>Tube, Twist Lock connector  | 2   | \$36.00    | \$32.40    | \$64.80     |
| 5    | 1537133   | REUSE-09-2MQ    | Welch Allyn REUSE-09-2MQ Cuff, Child, 2-Tube,<br>Twist Lock connector   | 2   | \$35.00    | \$31.50    | \$63.00     |
| 6    | 1537133   | 8000-000151     | RD Rainbow SET MD20-04 EMS Patient Cable, 4ft   | 2   | \$259.00   | \$256.66   | \$513.32    |
| 7    | 1537133   | 8000-000862     | Masimo LNCS-II Rainbow DCI 8λ SpCO Adult<br>Sensor, 3ft   | 2   | \$900.00   | \$810.00   | \$1,620.00  |
| 8    | 1537133   | 8000-0580-01    | Six Hour Rechargeable, SurePower II Smart<br>Battery  | 2   | \$1,031.00 | \$820.82   | \$1,641.64  |
| 9    | 1537133   | 8200-000100-01  | Single Bay Charger for the SurePower and SurePower II batteries   | 1   | \$1,302.00 | \$1,036.48 | \$1,036.48  |
| 10   |           | 8000-000393-01  | X Series Carry Case, Premium  | 2   | \$457.00   | \$457.00   | \$914.00    |
| 11   | 1537133   | 8012-0206       | 12-lead ECG Simulator   | 1   | \$1,468.00 | \$1,168.50 | \$1,168.50  |
| 12   | 1537133   | 8900-0190       | Training CPR Stat-padz  | 1   | \$124.00   | \$98.40    | \$98.40     |
|      |           |                 | Includes one training cable with CPR Sensor, Y Connector for simulator connection, and one pair of replacement training electrodes.   |     |            |            |             |
| 13   |           | 8778-890055-ZOD | Professional Defibrillators/Monitors - ZOLLONE -<br>Worry-Free Service Plan - 5 Years On-Site At<br>Time of Sale  | 2   | \$8,485.00 | \$7,636.50 | \$15,273.00 |
|      |           |                 | Includes: Annual preventive maintenance, 27% discount on new cables, 27% discount on additional SurePower Batteries, discount on parameter upgrades, SurePower Battery replacement upon failure, and accidental damage coverage (see below). Shipping and use of a Service Loaner upon request during device service, no charge shipping. Service Plan is a continuation of ZOLL Limited Product Warranty. <a href="https://doi.org/10.1001/journal.com/">doi.org/10.1001/journal.com/</a> device service, no charge shipping. Service Plan is a continuation of ZOLL Limited Product Warranty. <a href="https://doi.org/">doi.org/10.1001/journal.com/</a> device service plan is a continuation of ZOLL Limited Product Warranty. <a href="https://doi.org/">doi.org/10.1001/journal.com/</a> device service plan terms and Conditions on the ZOLL website. |     |            |            |             |
| 14   |           | 8400-110045     | CaseReview Premium Subscription, X Series, 5 Year- Hosted  Provides detailed post-case information, including CPR quality on compression depth, rate, pause time and release velocity, as well as ECG, shocks, EtCO2 and SpO2 vital signs.  | 2   | \$2,616.00 | \$2,616.00 | \$5,232.00  |



269 Mill Road Chelmsford, MA 01824-4105 Federal ID# 04-2711626

> Phone: (800) 348-9011 Fax: (978) 421-0015 Email: esales@zoll.com

Sussex Fire Department Quote No: Q-112908 Version: 1

| Item | Contract<br>Reference |              | Description                                    | Qty | List Price | Adj. Price | Total Price  |
|------|-----------------------|--------------|--|-----|------------|------------|--------------|
| 15   |                       | 7800-0415-61 | LP 15 12-Lead Version 1 & 2 Trade In Allowance | 2   |            | (\$500.00) | (\$1,000.00) |
|      |                       |              | See Trade Unit Considerations.                 |     |            |            |              |

Subtotal: \$117,575.60

Total: \$117,575.60

| Contract Reference | Description  |
|--------------------|--|
| 1537133            | Reflects NASPO ValuePoint contract pricing, Master Agreement OK-SW-300. Notwithstanding anything to the contrary herein, the terms and conditions set forth in NASPO OK-SW-300 shall apply to the customer's purchase of the products set forth in this quote. |

### **Trade Unit Considerations**

Trade-In values valid through June 30, 2025 if all equipment purchased is in good operational and cosmetic condition and includes all standard accessories. Trade-In values are dependent on the quantity and configuration of the ZOLL devices listed on this quotation. Customer assumes responsibility for shipping trade-in equipment at the quantities listed on the trade line items in this quotation to ZOLL's Chelmsford Headquarters within 60 days of receipt of new equipment. Customer agrees to pay cash value for trade-in equipment not shipped to ZOLL on a timely basis.

To the extent that ZOLL and Customer, or Customer's Representative have negotiated and executed overriding terms and conditions ("Overriding T's & C's"), those terms and conditions would apply to this quotation. In all other cases, this quote is made subject to ZOLL's Standard Commercial Terms and Conditions ("ZOLL T's & C's") which for capital equipment, accessories and consumables can be found at <a href="https://www.zoll.com/terms-and-conditions-of-sale">https://www.zoll.com/terms-and-conditions-of-sale</a>, for software products can be found at <a href="https://www.zoll.com/software-legal">https://www.zoll.com/software-legal</a>, and for ExpertCare Service Plans can be found at <a href="https://www.zoll.com/ExpertCare-Service-Terms">https://www.zoll.com/software-legal</a>, and for ExpertCare Service Plans can be found at <a href="https://www.zoll.com/ExpertCare-Service-Terms">https://www.zoll.com/software-legal</a>, and for ExpertCare Service Plans can be found at <a href="https://www.zoll.com/expertCare-Service-Terms">https://www.zoll.com/software-legal</a>, and for ExpertCare Service Plans can be found at <a href="https://www.zoll.com/expertCare-Service-Terms">https://www.zoll.com/software-legal</a>, and C's, any Purchase Order ("PO") issued in response to this quotation will be deemed to incorporate ZOLL T's & C's, and any other terms and conditions presented shall have no force or effect except to the extent agreed in writing by ZOLL.

- 1. Delivery will be made upon availability.
- 2. This Quote expires on June 30, 2025. Pricing is subject to change after this date.
- 3. Applicable tax, shipping & handling will be added at the time of invoicing.
- 4. All purchase orders are subject to credit approval before being accepted by ZOLL.
- 5. To place an order, please forward the purchase order with a copy of this quotation to esales@zoll.com or via fax to 978-421-0015.
- 6. All discounts from list price are contingent upon payment within the agreed upon terms.
- 7. Place your future accessory orders online by visiting the ZOLL web store.



269 Mill Road Chelmsford, MA 01824-4105 Federal ID# 04-2711626

> Phone: (800) 348-9011 Fax: (978) 421-0015 Email: esales@zoll.com

Sussex Fire Department Quote No: Q-112908 Version: 1

| Order Information (to be completed by the customer)  |   |
|--|---|
| [ ] Tax Exempt Entity (Tax Exempt Certificate must be pro-   | vided to ZOLL)  |
| [ ] Taxable Entity (Applicable tax will be applied at time of i  | nvoice)   |
| BILL TO ADDRESS  | SHIP TO ADDRESS   |
| Name/Department:   | Name/Department:  |
| Address:   | Address:  |
| City / State / Zip Code:   | City / State / Zip Code:  |
| Is a Purchase Order (PO) required for the purchase and/or paym  [ ] Yes PO Number: P  (A copy of the Purchase Order must be included)  | O Amount:   |
| [ ] No (Please complete the below section when subr  | nitting this order)   |
| For organizations that do not require a PO, ZOLL requires writter warrants that she or he has the authority to bind the party for whi   Sussex Fire Department Authorized Signature: | n execution of this order. The person signing below represents and ch he or she is signing to the terms and prices in this quotation. |
| Name:  | _<br>_  |
| Title:   | _   |
| Date:  | _   |



Sussex Fire Department Quote No: Q-112908 Version: 1 269 Mill Road Chelmsford, Massachusetts 01824-4105 978-421-9655 (main) 978-421-0025 (fax) www.zoll.com

### ALS/BLS Software Solutions Master Software, SaaS and Services Agreement and Addenda Acknowledgement Form

The terms and conditions applicable to ZOLL Medical Corporation's Software Solutions products can be found at <a href="https://www.zoll.com/en/about-zoll/legal">https://www.zoll.com/en/about-zoll/legal</a>. By signing below, the Customer acknowledges and agrees to those terms and conditions. The person signing below represents and warrants that she or he has the authority to bind the Customer to those terms and conditions.

| Customer         |
|------------------|
| Signature:       |
|                  |
|                  |
| Name:            |
| Title:           |
| Company:         |
| Company Address: |
| Date:            |

### **stryker**

### 6/25 LP35- Sussex

Quote Number: 11128044 Remit to: Stryker Sales, LLC

> 21343 NETWORK PLACE CHICAGO IL 60673-1213

USA

Version:

Prepared For: SUSSEX FIRE DEPT Alex Yde Rep:

> Attn: Email: alex.yde@stryker.com

> > Phone Number:

Quote Date: 06/03/2025 Expiration Date: 09/01/2025 06/03/2025 Contract Start: Contract End: 06/02/2026

| Delivery Address |                      | Sold To - Shipping |                      | Bill To Account |                  |
|------------------|----------------------|--------------------|----------------------|-----------------|------------------|
| Name:            | SUSSEX FIRE DEPT     | Name:              | SUSSEX FIRE DEPT     | Name:           | SUSSEX FIRE DEPT |
| Account #:       | 20190195             | Account #:         | 20190195             | Account #:      | 20190195         |
| Address:         | N63W24335 MAIN ST    | Address:           | N63W24335 MAIN ST    | Address:        |                  |
|                  | SUSSEX               |                    | SUSSEX               |                 |                  |
|                  | Wisconsin 53089-3034 |                    | Wisconsin 53089-3034 |                 |                  |

### **Equipment Products:**

| #    | Product      | Description   | Qty    | Sell Price  | Total        |
|------|--------------|---|--------|-------------|--------------|
| 1.0  | 70335-000042 | LP35,EN-US,MAS-SP/CO,MED-CO2,SUN-NIBP,12L,WIFI/<br>CELL/LN/CPRIN,STD,BT | 2      | \$48,881.40 | \$97,762.80  |
| 2.0  | 41335-000001 | LIFEPAK 35 AC Power Adapter Kit   | 2      | \$1,375.00  | \$2,750.00   |
| 3.0  | 11140-000131 | AC Power Cord (North America, hospital grade)                           | 2      | \$59.40     | \$118.80     |
| 4.0  | 11996-000519 | LNCS-II Reusable rainbow 8-wavelength Adult Sensor                      | 2      | \$488.95    | \$977.90     |
| 5.0  | 11171-000063 | RD SET Disposable Sensor, Neonatal (20/box)                             | 1      | \$336.60    | \$336.60     |
| 6.0  | 11160-000013 | Reusable Cuff, Pediatric, 13-20 cm                                      | 2      | \$18.33     | \$36.66      |
| 7.0  | 11160-000019 | Reusable Cuff, X-Large, Adult, 35-44 cm                                 | 2      | \$36.66     | \$73.32      |
| 8.0  | 11335-000005 | LIFEPAK Printer Kit   | 2      | \$1,650.00  | \$3,300.00   |
| 9.0  | 11335-000008 | LIFEPAK 35 Storage Bag Kit  | 2      | \$330.00    | \$660.00     |
| 10.0 | 11260-000073 | Shoulder Strap  | 2      | \$36.77     | \$73.54      |
| 11.0 | 11330-000026 | LP35 Docking Station  | 2      | \$1,760.00  | \$3,520.00   |
| 12.0 | 11111-000041 | LIFEPAK 3-wire extended precordial ECG cable                            | 2      | \$56.11     | \$112.22     |
|      |              |   | Equipn | nent Total: | \$109,721.84 |

### **Trade In Credit:**

### **stryker**

### 6/25 LP35- Sussex

Quote Number: 11128044 Remit to: Stryker Sales, LLC

> 21343 NETWORK PLACE CHICAGO IL 60673-1213

USA

Version:

Prepared For: SUSSEX FIRE DEPT Alex Yde Rep:

> Attn: Email: alex.yde@stryker.com

> > Phone Number:

Quote Date: 06/03/2025 Expiration Date: 09/01/2025 Contract Start: 06/03/2025 Contract End: 06/02/2026

| Product        | Description               | Qty | Credit Ea.  | Total Credit |
|----------------|---------------------------|-----|-------------|--------------|
| TR-LP15V2-LP35 | TRADE IN LP15 V2 FOR LP35 | 2   | -\$3,500.00 | -\$7,000.00  |

### **Data Solutions:**

| #        | Product      | Description  | Qty               | Sell Price             | Total        |
|----------|--------------|--|-------------------|------------------------|--------------|
| 13.0     | 11150-000020 | LIFEPAK Cellular Modem, North America  | 2                 | \$1,200.00             | \$2,400.00   |
| 14.0     | 81000001     | EMS Pro Tier 1: <5,000 annual run volume. Includes: device set up tools, asset management, transmission connectivity, ePCR integration, LIFENET Care app and browser access for communication, live streaming and post event analytic tools. | 1                 | \$500.00               | \$2,500.00   |
|          |              |  | Data So           | olutions Total:        | \$4,900.00   |
| Price To | otals:       |  |                   |                        |              |
|          |              |  | Estima            | ited Sales Tax (0.000% | ): \$0.00    |
|          |              |  | Freight/Shipping: |                        | \$150.00     |
|          |              |  | Grand             | Total:                 | \$107,771.84 |

Prices: In effect for 30 days

Terms: Net 30 Days

### **stryker**

### 6/25 LP35- Sussex

Quote Number: 11128044 Remit to: Stryker Sales, LLC

21343 NETWORK PLACE CHICAGO IL 60673-1213

USA

Version: 1

Prepared For: SUSSEX FIRE DEPT Rep: Alex Yde

Attn: Email: alex.yde@stryker.com

Phone Number:

 Quote Date:
 06/03/2025

 Expiration Date:
 09/01/2025

 Contract Start:
 06/03/2025

 Contract End:
 06/02/2026

### **Terms and Conditions:**

Deal Consummation: This is a quote and not a commitment. This quote is subject to final credit, pricing, and documentation approval. Legal documentation must be signed before your equipment can be delivered. Documentation will be provided upon completion of our review process and your selection of a payment schedule. Confidentiality Notice: Recipient will not disclose to any third party the terms of this quote or any other information, including any pricing or discounts, offered to be provided by Stryker to Recipient in connection with this quote, without Stryker's prior written approval, except as may be requested by law or by lawful order of any applicable government agency. A copy of Stryker Medical's terms and conditions can be found at <a href="https://techweb.stryker.com/Terms">https://techweb.stryker.com/Terms</a> Conditions/index.html.



# 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.

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.<sup>2</sup>

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.<sup>3</sup>

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 Laryngoscopy<sup>8</sup>

### 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 available<sup>8</sup>

### **Smart Mount**

Docking and charging station compliant with ground and air (fixed and rotary wing) vehicles<sup>8</sup>





### 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 vehicles<sup>8</sup>





## 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.

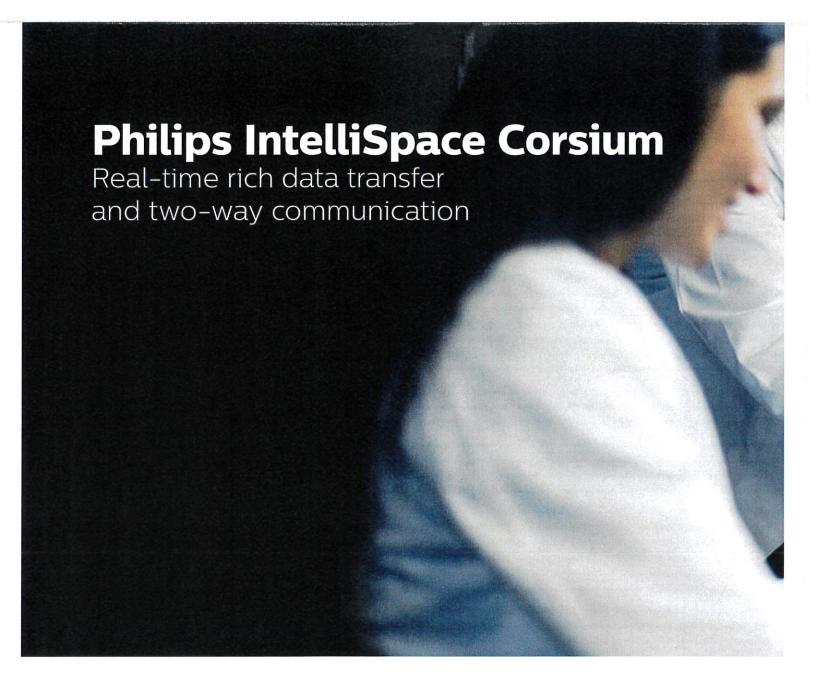
### **Ultrasound and vascular** examinations

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
- 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 care<sup>6</sup>
- FAST exam report can be transmitted in real- time or post event<sup>3</sup>







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.

### Benefits

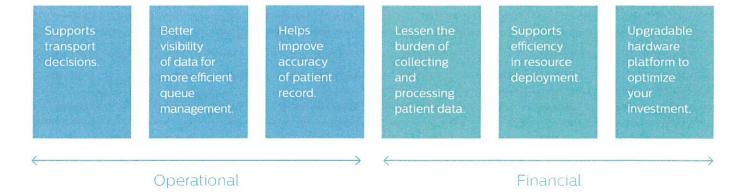
Supports confident on-site diagnosis.

Contributes to improved patient contact and experience.

ePCR integration simplifies patient care transfer.

Clinical





# 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



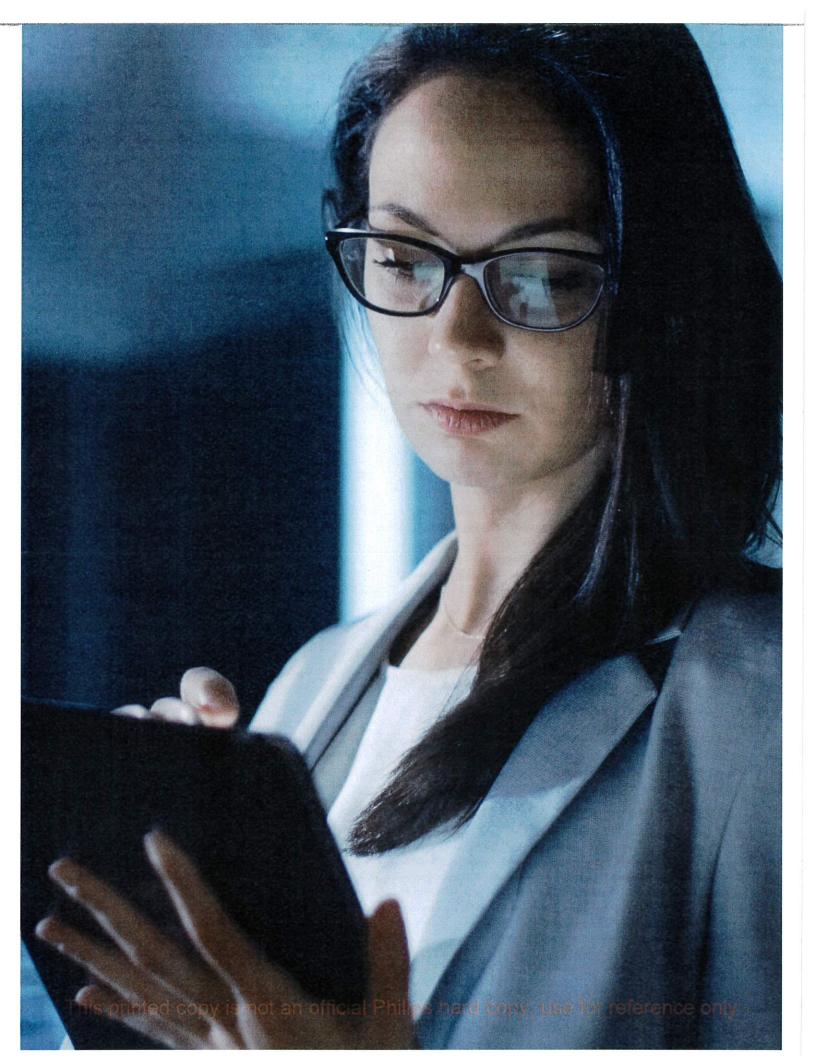
Optimize and streamline patient care

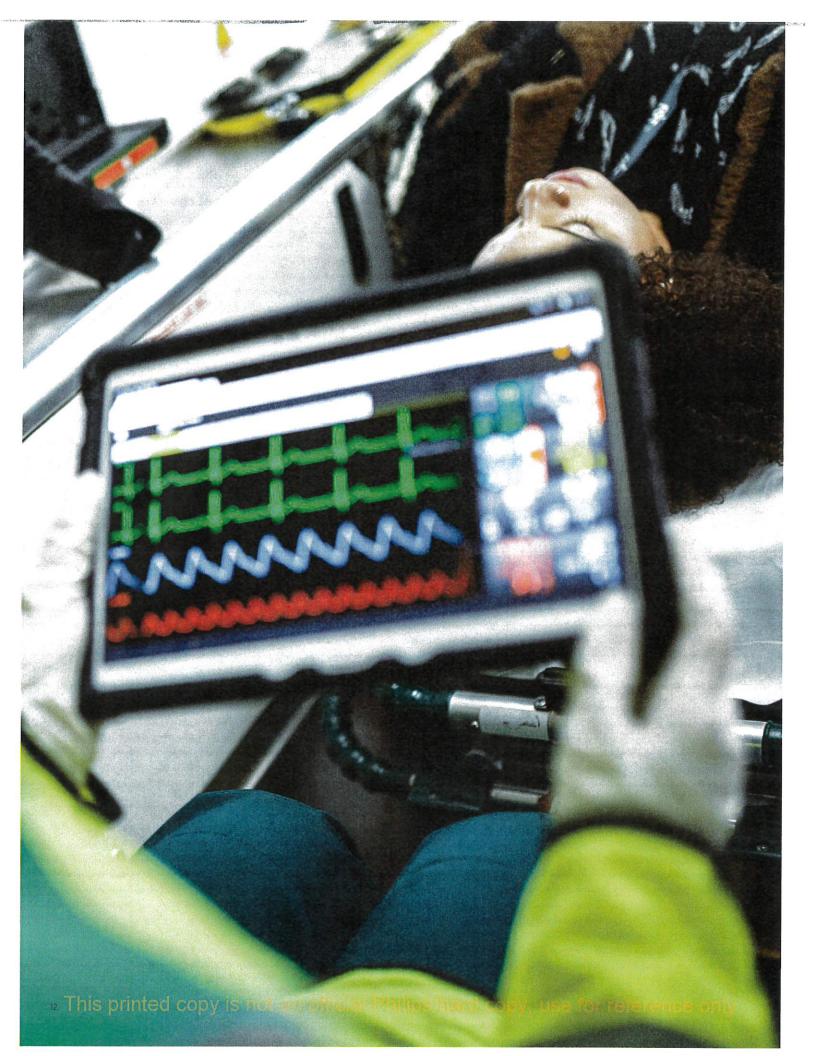


Event synchronized physiological data



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   |
|---|--|
| Manual handling issues<br>Equipment carried on-scene is<br>heavy.   | 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  |
| Clinical decision support<br>limited data transmitted for<br>on-scene support.                                      | 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.   |
| <b>Reliability</b> Equipment is damaged as used in unpredictable conditions.  | 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.   |
| Clinical decision making A lot to do on-scene, limited time/ capacity to deliver optimal care and complete records. | 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. |
| Governance Record keeping can be inaccurate and documented post-event.  | 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.  |
| <b>Data and Connectivity</b> Unreliable data transmission and comms.  | Tempus ALS enables rich data transmission and encryption. Our data platform has been developed and tested in conjunction with military and EMS.  |
| <b>Workflow</b> Patient care transfer can be a lengthy process.   | 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.  |
| Standardization  Need to have a standard of care across all responder vehicle types.                                | The Tempus ALS can be deployed in to any emergency vehicle and medical response bag. Web-based data review can minimize operational down time.   |

## Specifications

#### Tempus ALS is a small, fully-featured biphasic defibrillator/monitor, designed to enable prehospital caregivers to deliver care more efficiently:

- · Full range of vital signs monitoring parameters with manual, synchronized cardioversion and pacing in a small, highly robust package<sup>7</sup>
- Utilizes the widely used, low energy 200 J biphasic BTE waveform
- Small enough to enable new choices in transport and deployment
- Long battery life 10 <sup>3</sup>/<sub>4</sub> hour of monitoring with display at 60% brightness (Tempus Pro) and 300 shocks with maximum energy (Tempus LS-Manual)
- Water and solid object ingress protection for austere environments with rating of IP66 for monitor (dust and water protection with rating of IP65 for defibrillator)
- Plug-in sensor allows real-time CPR measurement and feedback3
- Enables the capture of all vital signs, images and electronic records in an easy to use format that can be easily transmitted or shared with other devices and systems
- · Fully integrated communications capability enables the transmission of all medical and vital signs data in real time<sup>5</sup>
- Large color display with multiple waveform configurations and large numeric view
- · Displays ultrasound and video laryngoscopy images on the large color display utilizing third party ultrasound probes and video laryngoscopy accessories8

#### **Control Interface**

Defibrillator interface is via clearly labelled buttons

Monitor user interface is provided by a touch screen and simple graphically labelled buttons

Drugs, fluids, therapies and interventions quickly added to the patient record through the Event button on monitor

#### **Monitor Alarms**

User configurable visual and audible alarms

Adult, pediatric and neonate settings

Adjustable alarms ≤85 dBA at 1m

360° alarm visible indicator lights

Defibrillator - color 5.7", 640x480 pixels

Monitor - color 6.5" 640x480 pixels, 130 klux daylight readable display

Multiple user-selectable display formats

High-contrast mode, NVG compatible

#### Printer<sup>8</sup>

High resolution 4.3" integrated thermal printer

#### **On-Screen Trends and Events**

Graphical and tabular format for all vital signs parameters

Summary record of care of drugs, fluids, therapies and interventions provided

#### Tempus LS-Manual<sup>1</sup>

#### **Manual Defibrillation**

Biphasic Truncated Exponential (BTE) waveform for defibrillation and synchronized cardioversion

1-200 J user configurable energy levels (1-10, 15, 20, 30, 50, 70, 90, 100, 120, 150, 170 and 200 J)

Adult and pediatric modes available

Charge time: 9 seconds to 200 J from first charge

Time to shock from cold start-up: <15 seconds to 200 J

Disposable adult and child pads

#### **Defibrillator ECG Monitoring**

ECG monitoring using pads or 3-Lead via Tempus Procompatible ECG cable

Speed: 12.5 mm/sec, 25 mm/sec, 50 mm/sec

Heart rate range: 15-300 beats per minute (bpm) ±5, Accuracy: ±10%

50/60 Hz mains filter

Fixed and demand modes provided

0-200 mA ±10% or ±5 mA (higher value applies)

40-180 ppm ±1.5% range

20 ms pulse width ±5%

#### **Synchronized Cardioversion**

Synchronizes to R wave markers displayed on-screen

<60 ms from R wave peak

Automatically reverts to asynchronous delivery after shock has been provided

#### **CPR Feedback**

Optional plug-in-sensor provides on-screen feedback of compressions, rate, depth and quality

Audible feedback and on-screen messaging is provided to ensure compliance to AHA/ERC guidelines

AHA/ERC guideline settings can be updated through USB with a manufacturer provided software update

#### Tempus Pro

#### **ECG Monitoring**

3-, 4-, 5- and 12-Lead monitoring via standard snap-on electrodes with automatic leadset detection

Heart rate range: 30-300 bpm

12-Lead acquisition8 and 12-Lead interpretation

Input impedance: >100 MΩ, Dynamic range: ±5 mV ac

Accuracy: ±3%, DC offset: ±300 mV dc

Frequency response: 0.05 Hz to 175 Hz ±3dB

Acquisition Sample rate: 500 Hz

Common mode rejection: 95 dB minimum, additional filters include mains, muscle and low and high pass

Arrhythmia monitoring and alarms

ST elevation and depression and QT segment measurement with alarms<sup>8</sup>

#### Impedance Respiration

Range: 3 - 150 RPM

Accuracy: ±2 RPM or ±2% whichever is greater

### Pulse Oximetry

#### SpO.

Range: 1 - 100%

Accuracy (adults/child): no motion or low perfusion  $\pm 2$  digits 70-100%, motion  $\pm 3$  digits 70-100%

Accuracy (neonate): motion, no motion and low perfusion ±3 digits 70-100%

Signal strength indicator

Perfusion index: 0.02-20%

Response: <1 second delay

Employs patented Masimo rainbow SET technology

Uses comfortable, waterproof soft-tip sensor

Pleth Variability Index (PVI)8

#### **Pulse Rate**

Range: 25 - 239 bpm

Accuracy (all ages): no motion  $\leq 3$  digits, motion  $\leq 5$  digits

#### Total Hemoglobin (SpHb g/dl)8

Range 0 - 25 g/dl

Accuracy (adults/infants/pediatrics) 8 - 17 g/dL ± 1 g/dl

#### Methemoglobin (SpMet)8

Range 0 - 99%

Accuracy (adults/infants/pediatrics/neonates) 1 - 15% ± 1%

#### Carboxyhemoglobin (SpCO)8

Range 0 - 99.9%

Accuracy (adults/infants/pediatrics) 1 - 40% ± 3%

#### Total Oxygen Content (SpOC)8

Range 0 - 35ml of O<sub>2</sub>/dL of blood

#### **Non-Invasive Blood Pressure**

Accuracy: ±3 mmHg

Adult range: 20 - 260 mmHg

Pediatric range: 20 - 230 mmHg

Neonate range: 20-130 mmHg

Cuffs: neonate disposable sizes 1-5, infant, child, adult, large adult, thigh, cuff kit

### Capnometry

#### **Respiration Rate**

Range: 1 - 149 Breaths Per Minute (BPM)

Accuracy: 0-70 BPM ±1 BPM, 71-120 BPM ±2 BPM, 121-149 BPM ±3 BPM

#### Microstream EtCO,

Range: 0 - 150 mmHg

Flow rate: 50 (42.5  $\leq$  flow  $\leq$  65) ml/min, flow measured by volume

Uses Oridion Microstream™ technology

Accuracy: 0–38 mmHg  $\pm 2$  mmHg, 39–150 mmHg  $\pm 5\%$  of reading +0.08% per 1 mmHg over 38 mmHg

#### **Contact Temperature**

2 channel YSI 400 series compatible9

Measurement range: 20 - 45 °C/68 - 113 °F

Resolution: ±0.1 °C/±0.2 °F, Accuracy: ±0.1 °C

#### Invasive Pressure8

2 channels, 5 µV/V/mmHg, Response: 0-20 Hz (-3 dB)

Filters: 50-60 Hz notch, Range: -99 - 310 mmHg

Expandable up to 4 channels via USB module<sup>4</sup>

#### **Trauma Record - Summary Record of Care**

Unique, automatically-updating electronic trauma record

User-friendly interface and completely configurable through separate PC application

Semi-automatic patient record completion

Operable with a gloved hand

Record can be emailed or shared with any ePCR system through an easy to implement software development kit

Record can be passed from device to device to accompany the patient through the echelons of care

Data can be output as a PDF report

Record can be streamed for real-time decision support

#### **Integral Digital Camera**

Color 3.2M pixel camera

Streams video using the H264 algorithm (bandwidth dependent)<sup>13</sup>

Images are included in the patient record

#### Ultrasound and Video Laryngoscopy8

Optional Interson ultrasound probes general purpose 3.5 MHz and line placement 7.5 MHz

Optional Karl Storz C-MAC video laryngoscope imager and single use blades

### Battery and Power

#### Operating Time - Tempus LS-Manual

At least 300 shocks at 200 J from a fully charged battery

>12 hours ECG monitoring from a fully charged battery

#### Operating Time - Tempus Pro14

At least 10  $^{3}$ /<sub>4</sub> hours (display brightness at 60%, ECG, SpO<sub>2</sub>, EtCO<sub>2</sub>, temp x 2 and NIBP every 15 minutes)

At least 11  $\frac{1}{2}$  hours (display brightness at 30%, ECG, SpO<sub>2</sub>, EtCO<sub>3</sub>, temp x 2 and NIBP every 15 minutes)

Up to 14 hours with battery saving mode activated10

#### Battery - Tempus LS-Manual and Tempus Pro

Rechargeable, user replaceable lithium-ion battery

Charge time: 3 hours to 90%11.12

#### Power Supply - Tempus LS-Manual and Tempus Pro

Small size: 133 x 60.7 x 41 mm (5.24" x 2.39" x 1.62")

Rated 90 - 264 Vac, 47 - 440 Hz, maximum 0.6 A

Vehicle adaptor 11-27 V dc available<sup>5</sup>

#### External Charger<sup>8</sup>

Small size: 133 x 60.7 x 41 mm (5.24" x 2.39" x 1.62")

#### Physical Dimensions

#### Tempus LS-Manual

Standalone size: 7.9" wide x 6.5" high x 2.8" deep, cube 142" (excluding rear clip)

Standalone weight: 4.3 lbs. with battery (without accessories)

#### **Tempus Pro**

Standalone size (printer model): 10.3" wide x 8.5" high x 3.9" deep, cube 346"

Standalone weight: 7 lbs. nominal including battery and printer, excluding IP module and accessories (without printer 6.4 lbs.)

#### **Environment - Tempus LS-Manual and Tempus Pro**

Operating temperature range: 0 °C to 50 °C

Relative humidity: 15%-95% (non-condensing) operating and storage

Altitude: -200 m to +5486 m (-656' to +18000')

Storage temperature range: -37 °C to +73.3 °C

Water and solid object ingress protection for austere environments with rating of IP66 for monitor (dust and water protection with rating of IP65 for defibrillator)

#### Tempus LS-Manual and Tempus Pro

Medical Electrical Equipment: IEC 60601-1-12

Airborne equipment: RTCA DO-160G, 2010 section 21 cat. M

Exceeds requirements of MIL-STD 810G 1.22 m (4') 26 drops all corners, edges and faces

Crash Safety: 20 g per DO160E Sec 7 Cat B

Vibration: MIL-STD 810G rotary wing (UH-60 and CH-47), fixed wing (jet profile), fixed wing (turboprop profile), composite wheeled vehicle; Ground Vehicle per EN1789

Operational shock: 40 g per MIL-STD 810G, 6 g per RTCA DO-160E

#### Mounts and Bags<sup>8</sup>

Hard transit cases and saddle bags available

Mechanical and electromechanical mounts compliant with ground and air (fixed and rotary wing) vehicles available

#### IntelliSpace Corsium licence options

#### IntelliSpace Corsium ReachBak licence:

All medical monitoring data, vital signs, ECGs, Summary Record of Care and images are transmitted in real-time

Transmits 12-Lead ECG in real-time and acquires 10 seconds of all 12-Leads

Provides 12-Lead ECG analysis and measurement tools on the transmitted ECG  $\,$ 

ECG review results can be sent back to the Tempus Pro

Tempus Pro operator can acknowledge ECG results and provide estimated time of arrival

#### IntelliSpace Corsium ECG licence:

Tempus Pro user can transmit 12-Lead ECGs

Provides 12-Lead ECG analysis and measurement tools on the transmitted ECG

Also transmits basic vitals recorded at the time of the transmitted ECG

#### Communications

#### Integral Bluetooth

Used for communication with the device's accessories

Version: V2 EDR class 2

#### **Voice Communications**

Compatible with military headsets (Peltor, Liberator etc.)

Voice communications provided by an optional wired or wireless Bluetooth headset<sup>5</sup>

Voice channel is full duplex with low bandwidth utilization (12 kbps)

Voice transmitted in real-time<sup>13</sup>

#### **Image Communications**

Images received from the Tempus can be annotated with text, colors, shapes and graphics which can be sent back to the Tempus Pro<sup>13</sup>

Video transmitted in real-time13

#### **Integral Ethernet**

Compatible with Inmarsat, BGAN, V-SAT and other broadband communications systems<sup>5</sup>

Low bandwidth compatible (3 kbps)

LAN interface: 100Base-TX

Connected via an RJ-45 connection

Tempus can connect direct to a radio or via an access point or router

#### Integral USB

2 latched sockets

USB 1.0 and 2.0

For use with plug-in invasive pressure modules, CPR sensor, USB sticks, video laryngoscope, ultrasound probes etc<sup>8</sup>

#### Integral Wi-Fi

802.11b/g

Uses 128-bit encryption, WPA2 and WEP standards to ensure security

Smart Wi-Fi management allows the user to scan and connect to available networks

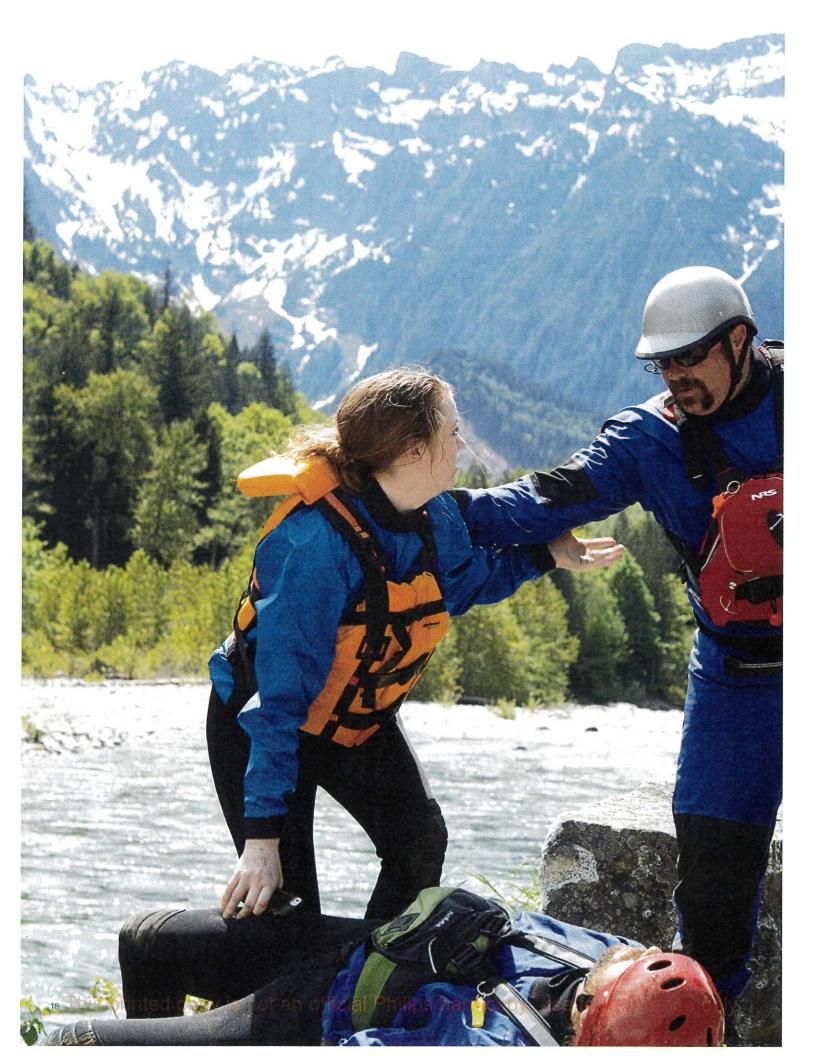
#### **Integral GPS Positioning**

Provides position via ReachBak and allows automatic geo-tagging of drugs and therapies in the patient record/ Accuracy  $\pm 10~{\rm m}.{\rm l}^{\rm 15}$ 

#### Integral 3G/GSM Cell Phone<sup>16</sup>

Able to connect over 2G GPRS networks (GSM 850, EGSM 900, DCS 1800 and PCS 1900)

Able to connect over 3G GPRS networks (UMTS 850/ Band V, UMTS 900/Band VIII, UMTS 1900/ Band II and UMTS 2100/ Band I)





- Tempus LS-Manual is 510(k) cleared and available for sale in the US
- 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
- 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
- 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.
- GPS accuracy depends on the number of satellites visible to the device
- 16. If enabled



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