

# WINPACK

## WINCard Module

The WinCard is the main module of the WinPack where sensor modules are inserted to monitor vital signs depending on the needs of the Patient.



*Dimensions*  
**2.5 cm H x 8.5 cm W x 5.6 cm L**  
*Weight*  
**54 g with standard Battery**  
**67 g with XL Battery**  
*Liquid ingress protection*  
**IPX0**

*On the module*  
**ON/OFF button**  
**3 LED battery level indicator**  
**1 LED wireless connectivity indicator**  
*Data*  
**On average 3 KBps/WINPack**



*Product code*  
**WPcard00005**

## Battery Module

WinCard can be supplied with two different types of battery, standard or XL.



*Standard Battery*  
*Battery Li-Ion, 3.7 V, 700 mAh (2.6 Wh)*  
*Operating time 12 hours*  
*Charge time 2 hours*

*Product code*  
**WPbatt00001**



*XL Battery*  
*Battery Li-Polymer, 3.7V, 2260 mAh (8.4 Wh)*  
*Operating time 30 hours*  
*Charge time 4 hours*

*Product code*  
**WPbatt00002**

## Communication Module

WinCard can communicate in two ways, WiFi or Bluetooth.

### *Bluetooth communication module*



*Standard Network*  
**IEEE 802.15 Compliant**  
*Frequency*  
**2.4 GHz**  
*Security support*  
**Hardware encryption**



*Product code*  
**WPbtm000001**

### *WiFi communication module*



*Standard Network*  
**IEEE 802.11 b/g/n Compliant**  
*Frequency*  
**2.4 GHz**  
*Security supports*  
**WPA2-PSK, WPA2-AES, SSL (optional)**  
*Protocol network*  
**WIFI TCP/IP**



*Product code:*  
**WPwif00002**

## Charger

*Only one way to insert the battery module: it cannot reverse the polarity of the battery.*  
*Compatible for both standard and XL battery*

### *Charger for single battery*



*Dimensions*  
**3.7 cm H x 6.7 cm W x 5.8 cm L**  
*Weight 44 g*  
*(not including the power adaptor)*  
*Power input*  
**5 VDC In, 4.2 V out, 660 mA out**  
*Power adaptor range*  
**100- 220 VAC, 50-60 Hz**

*Product code:*  
**WPcari00001**

**Charger cord - Product code**  
**WPalim00001**



### *Multiple chargers for batteries*

*Dimensions*  
**30 cm H x 4 cm W x 11 cm L**  
*Weight 150 g*  
*(not including the power adaptor)*  
*Power input*  
**5 VDC In, 4.2 V out, 660 mA out each slot**  
*Power adaptor range*  
**100-240 VAC, 47-63 Hz**

*Product code:*  
**WPcar800001**

**Multiple chargers cord - Product code**  
**WPalim00002**

## cNIBP Sensor Module

Continuously measures the blood pressure in real-time.



*Module dimensions*  
**2.5 cm H x 5.5 cm W x 3.4 cm L**  
*Bracelet dimension*  
**2.4 cm H x 28.0 cm W x 4.0 cm L**  
*Bracelet positioning*  
**Wrist**  
*Wrist support dimensions*  
**14.5 cm – 20 cm**  
*Weight*  
**76 g**  
*Defibrillator proof*  
*Liquid ingress protection*  
**IPX0**

*Range*  
**Systolic: 60-230 mmHg**  
**Diastolic: 40-130 mmHg**  
*Precision*  
**Mean error of less than  $\pm 2$  mm Hg**  
**and a standard deviation of  $\leq 5$  mm Hg**  
*(excluding the calibration system mean error)*  
*Technical alerts*  
**Calibration needed, invalid data**  
*Resolution* **1 mm Hg**  
*Refresh rate* **1 Hz**



*Product code*  
**WPnibp00001**

## NIBP Sensor Module

measures the arterial pressure by using a cuff. This sensor module uses the oscillometric technique combined with advanced motion artifacts rejection technology.



*Module dimensions*  
**2.5 cm H x 2.7 cm W x 3.4 cm L**  
*Wearable module dimensions*  
**7.7 cm H x 14 cm W x 3.2 cm L**  
*Weight*  
**240 g (without battery)**  
*Measuring method*  
**Oscillometric**  
*Start measuring*  
**Automated and on demande**  
*Wearable module positioning*  
**Arm or leg**  
*Cuff*  
**Reusable or disposable**  
*Liquid ingress protection*  
**IPX0**

*Range*  
**Systolic: 35-260 mmHg**  
**Diastolic: 15-215 mmHg**  
*Measurement time (excluding cuff pressurization time)*  
**25 seconds**  
**120/80 mmHg@80 bpm adult patient**  
*Resolution*  
**1 mmHg**  
*Precision*  
**Mean error of  $\leq \pm 5$  mm Hg and a standard deviation of  $\pm 8$  mm Hg**  
*Battery range*  
**90 measures (standard battery)**  
**350 measures (XL battery)**



*Product code*  
**WPcubp00001**

## 5-Lead ECG Sensor Module

Continuously measures the heart rate and allows displaying in real-time up to four of seven leads.



*Module dimensions*  
**2.5 cm H x 2.7 cm W x 3.4 cm L**  
*Weight*  
**41 g**  
*Liquid ingress protection*  
**IPX0**  
*Defibrillator proof*  
*Lead Off detection*

*ECG*  
*Bandwidth*  
**0.03 - 125 Hz**  
*Sampling*  
**500 Hz**  
*Differential input impedance*  
**>100 M $\Omega$**   
*CMRR*  
**>60 dB**  
*Range of input signal*  
**> $\geq 5$  mVp-v $\pm 300$  mVdc**

*HR*  
*Display range HR*  
**0 to 254 bpm**  
*Precision range HR*  
**24 to 240 bpm**  
*Precision HR*  
 **$\pm 5$  bpm**  
*Resolution HR*  
**1 bpm**



*Product code*  
**WPecg400001**

## 5-Lead ECG and Respiration Rate Sensor Module

Continuously measures the heart rate and the respiration rate in real-time; This module allows displaying in real-time up to four of seven leads while detecting arrhythmia.



*Module dimensions*  
**2.5 cm H x 2.7 cm W x 3.4 cm L**  
*Weight*  
**41 g**  
*Liquid ingress protection*  
**IPX0**  
*Defibrillator proof*  
*Lead Off detection*

*ECG*  
*Bandwidth*  
**0.05 - 150 Hz**  
*Sampling*  
**500 Hz**  
*Resolution*  
**4.5  $\mu$ V**  
*Differential input impedance*  
**40 M $\Omega$**   
*CMRR*  
**>60 dB**  
*Range of input signal*  
 **$\pm 5$  mVp- $v \pm 300$  mVdc**

*HR*  
*Display range HR*  
**0 to 254 bpm**  
*Precision range HR*  
**24 to 240 bpm**  
*Precision HR*  
 **$\pm 9.7\%$**   
*Resolution HR*  
**1 bpm**



*Product code*  
**WPecrr00001**

### ARRHYTHMIA

*Atrial Fibrillation (AT)*  
*Idioventricular Rhythm (IVR)*  
*Accelerated Idioventricular Rhythm (AIVR)*  
*Ventricular Tachycardia (VT)*  
*Asystole (PAU)*  
*Bradycardia (BRA)*  
*Supraventricular Ectopic Beat (SVEB)*  
*Supraventricular Salvo (SVS)*  
*Supraventricular Tachycardia (SVT)*  
*Couplet (CPT)*  
*Ventricular Ectopic Beat (VEB)*

*RR*  
*Display range RR*  
**0 to 50 rpm**  
*Resolution RR*  
**1 rpm**  
*Precision range RR*  
**5 to 50 rpm**  
*Precision RR*  
 **$\pm 2$  rpm**

## SpO<sub>2</sub> Sensor Module

Continuously measures the blood oxygen saturation and pulse rate in real-time.



*Module dimensions*  
**2.5 cm H x 5.5 cm W x 3.4 cm L**  
*Weight*  
**27 g**  
*Liquid ingress protection*  
**IPX0**  
*Probe position*  
**Finger tip or ear lobe**  
*Probe*  
**Reusable or disposable**  
*Technical alert*  
**Empty probe**  
**Disconnected probe**  
*Refresh rate*  
**1 Hz**

*SpO<sub>2</sub>*  
*Range*  
**0-99%**  
*Resolution*  
**1%**  
*Precision*  
*Adults*  
 **$\pm 2$  [SpO<sub>2</sub> between 70% - 99%]**  
*Newborn*  
 **$\pm 3$  [SpO<sub>2</sub> between 70%-99%]**

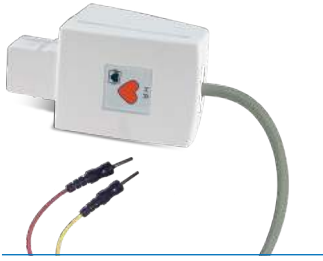
*Pulse Rate (PR)*  
*Range PR*  
**30 to 254 bpm**  
*Resolution RR*  
**1 bpm**  
*Precision RR*  
 **$\pm 2$  bpm or  $\pm 2\%$ ,  
the greater of the two**



*Product code*  
**WPpuls00001**

## 2-Lead ECG Sensor Module

Continuously measures the heart rate in real-time.



*Module dimensions*  
**2.5 cm H x 2.7 cm W x 3.4 cm L**  
*Weight*  
**29 g**  
*Accessories*  
**Electrodes or chest belt snap**  
*Liquid ingress protection:*  
**IPX0**  
*Defibrillator proof*

*ECG*  
*Bandwidth*  
**0.4 – 160 Hz**  
*Sampling*  
**500 Hz**  
*Differential input impedance*  
**1 MΩ**  
*CMRR*  
**100 dB**  
*Range of input signal*  
**±5 mV**  
*Resolution*  
**12 bit**

*HR*  
*Display range HR*  
**0 to 254 bpm**  
*Precision range HR*  
**24 to 240 bpm**  
*Resolution HR*  
**1 bpm**  
*Precision HR*  
**± 5 bpm**



*Product code*  
**WPecg0001**

## Body Temperature Sensor Module

Continuously measures the body temperature in real-time.



*Module dimensions:*  
**2.5 cm H x 2.7 cm W x 3.4 cm L**  
*Weight*  
**12 g**  
*Probe*  
**Reusable or disposable**

*Range*  
**25 °C - 45°C**  
*Resolution*  
**0.1 °C**  
*Max Error*  
**< ±0.2 °C**  
*Max settling time*  
**5 minutes**  
*Sampling*  
**0.2 Hz**  
*Refresh rate*  
**0.2 Hz**



*Product code*  
**WPtemp0001**

## Body Position Sensor Module

Continuously measures the following body positions of the patient.



*Module dimensions*  
**2.5 cm H x 2.7 cm W x 3.4 cm L**  
*Weight*  
**12 g**

*Available positions*  
**Standing**  
**Lying on the left side**  
**Lying on the right side**  
**Supine**  
**Prone**  
**Motion**  
**Running**  
*Refresh rate*  
**1 Hz**



*Product code*  
**WPposi0001**

For each monitored parameter can be configured, during installation:

- ✓ The default values of the thresholds
- ✓ The alarm's delay period

# ACCESSORIES

### 3 sensor modules cover shell

Can be used with the WinCard and up to three modules includes belt loops.  
Allows to wear the WinPack on the waist and on the arm.



#### Specifications

Sanitizable  
ISO 10993 material

Product code  
**WPgusc00001**

#### Reference Accessory



Wearable armband roll  
**WProto00001**

### Disposable wearable pouch

Allows to comfortably wear the WinPack on the chest. Can be used with the WinCard and up to six modules.



#### Specifications

Disposable  
Easy to use  
Hypoallergenic fabric material

Product code  
**WPtrac00002**

### Wearable armband roll

Ensures the silicone shell containing the WinPack abdomen, arm or leg.  
Made of comfortable fabric, elastic and washable, easy to cut in every measure.



#### Specifications

Disposable  
93/42/EEC compliant

Product code  
**WProto00001**

#### Reference Accessory



3 sensor modules cover shell  
**WPgusc00001**

### Wearable armband button

It ensures the wearable armband/abdomen roll on the body.



#### Specification

Disposable  
93/42/EEC compliant

Product code  
**WPbott00001**

#### Reference Accessory



Wearable armband roll  
**WProto00001**

## 2-lead ECG chest belt electrode snap

Allow the 2-Lead ECG module to connect the chest strap.



Red  
Product code  
**WPtrac0003**

Yellow  
Product code  
**WPtrac0004**

### Specification

93/42/EEC compliant

### Reference Module



2-Lead ECG  
**WPecg00001**

### Reference Accessory



2-lead ECG sen. mod. chest belt  
XS **WPfpol00001**  
M/XL **WPfpol00001**

## 2-Lead ECG electrodes adaptors

2-lead ECG sen. mod. red electrode snap



Red  
Product code  
**WPadat0001**

Yellow  
Product code  
**WPadat0002**

### Specification

93/42/EEC compliant

### Reference Module



2-Lead ECG  
**WPecg00001**

### Reference Accessory



Adult, Paediatric and Neonatal  
Disposable electrodes  
**WPelet00002-3-4**

## 2-lead ECG sen. mod. chest belt

Chest strap for 2-lead ECG Module



XS  
Product code  
**WPfpol00001**

L  
Product code  
**WPfpol00002**

### Specification

93/42/EEC compliant

### Reference Module



2-Lead ECG  
**WPecg00001**

### Reference Accessory



2-lead ECG chest belt electrode snap  
**WPadat00003/ WPadat00004**



## Disposable electrodes

Adult, Paediatric and Neonatal Disposable electrodes



*Specifications*

*Disposable*

Product code  
Adult  
**WPelet00002**  
Perdiatric  
**WPelet00003**  
Neonate  
**WPelet00004**

*Reference Module*



2-Lead ECG  
**WPecg00001**



5-Lead ECG  
**WPecg400001**



5-Lead ECG and  
Respiration Rate  
**WPecrr00001**

## Disposable body temperature probe

A 3.5 mm jack plug is used to connect the probe to the body temperature module.



*Specifications*

*Disposable*  
93/42/EEC compliant

Product code  
**WPtson00001**

*Reference Module*



Body Temperature  
**WPtemp00001**

*Reference Accessory*



Plaster  
**WPcero00002**

## Reusable temperature probe

A 3.5 mm jack plug is used to connect the probe to the body temperature module.



*Specifications*

*Reusable*  
93/42/EEC compliant

Product code  
**WPtson00002**

*Reference Module*



Body Temperature  
**WPtemp00001**

*Reference Accessory*



Plaster  
**WPcero00002**

## Plasters for reusable temperature probe

12.9 cm x 12.9 cm sensitive skin patch. Ideal to ensure the temperature probes in correspondence axillary artery.



*Specifications*

*Disposable*  
93/42/EEC compliant

Product code  
**WPcero00002**

*Reference Module*



Body Temperature  
**WPtemp00001**

*Reference Accessory*



Disposable and reusable  
temperature probe  
**WPtson00001 e WPtson00002**

Technical Specifications.  
Illustrative purposes only. Ver. D - 01/10/2016

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### Reusable SpO<sub>2</sub> (adult) finger clip

Reusable finger probe Comfort Clip® for patients above 45 kg. The probe is equipped with a connector subminiature D series step DB9 suitable for SpO<sub>2</sub> module.



#### Specifications

Reusable  
93/42/EEC compliant

Product code  
**WPpson00011**

#### Reference Module



SpO<sub>2</sub>  
**WPpulso0001**

### Reusable SpO<sub>2</sub> ear clip

Disposable SpO<sub>2</sub> finger probe patients above 15 kg. The probe is equipped with a connector subminiature D series step DB9 suitable for SpO<sub>2</sub> module.



#### Specifications

Reusable  
93/42/EEC compliant

Product code  
**WPpson00012**

#### Reference Module



SpO<sub>2</sub>  
**WPpulso0001**

### Disposable SpO<sub>2</sub> finger clip

Disposable SpO<sub>2</sub> finger probe patients of above 45 kg, in the adult version, or between 15-45 Kg in pediatric version. The probe is equipped with a connector subminiature D series step DB9 suitable for SpO<sub>2</sub> module.



#### Specifications

Disposable  
93/42/EEC compliant

Product code  
Adult  
**WPpson00013**  
Pediatric  
**WPpson00017**

#### Reference Module



SpO<sub>2</sub>  
**WPpulso0001**

### Universal "Y" SpO<sub>2</sub> sensor

Universal "Y" SpO<sub>2</sub> probe for patients over 3 Kg The probe is equipped with a connector subminiature D series step DB9 suitable for SpO<sub>2</sub> module.



#### Specification

Reusable  
93/42/EEC compliant

Product code  
**WPpson00016**

#### Reference Module



SpO<sub>2</sub>  
**WPpulso0001**

#### Reference Accessory



SpO<sub>2</sub> & "Y" sensor posey wrap  
**WPpfaso0011**

## SpO2 extension cord

Extension Cable for , disposable or reusable SpO2 probe.



Product code  
**WPpson00014**

### Specification

Reusable  
93/42/EEC compliant

### Reference Module



SpO2  
**WPpuls00001**

### Reference Accessory

All the SpO2 probe  
**WPpson00011**  
**WPpson00012**  
**WPpson00013**  
**WPpson00015**  
**WPpson00016**  
**WPpson00017**

## Reusable SpO2 (paediatric) finger clip

reusable pediatric finger probe for patients weighing between 14 and 45 kg; comfort model with connector suitable for SpO2 module.



Product code  
**WPpson00015**

### Specification

Reusable  
93/42/EEC compliant

### Reference Module



SpO2  
**WPpuls00001**

## SpO2 & "Y" sensor posey wrap



Product code  
**WPpfas00011**

### Specification

Reusable  
93/42/EEC compliant

### Reference Module



SpO2  
**WPpuls00001**

### Reference Accessory



Universal SpO2 "Y" probe  
**WPpson00016**

## NIBP reusable arm cuff – Adult Small, Adult, Adult Large

Adult Reusable Cuffs made from soft and comfortable material. Durable construction for long life and multiple patient use.



Product code  
**WPnsas/m/l00002**

### Specification

Reusable  
93/42/EEC compliant

### Reference Module



NIBP  
**WPcubp00001**

### Size

Adult Small **20,5-28,5cm**  
Adult **27-35cm**  
Adult Large **34-44cm**

### Code

**WPnsas00002**  
**WPnsam00002**  
**WPnsal00002**

## NIBP reusable leg cuff

Adult Reusable Cuffs made from soft and comfortable material. Durable construction for long life and multiple patient use.



Product code  
**WPnsag00002**

### Specification

Reusable  
93/42/EEC compliant

### Size

Tigh **42-52cm**

### Reference Module



NIBP  
**WPcubp00001**

## NIBP reusable paediatric cuff

Pediatric Reusable Cuffs made from soft and comfortable material. Durable construction for long life and multiple patient use.



Product code  
**WPnspm00002**

### Specification

Reusable  
93/42/EEC compliant

### Size

**14-21,5cm**

### Reference Module



NIBP  
**WPcubp00001**

## NIBP disposable cuff

Adult Disposable Cuffs for adult patient.



Product code  
**WPnmas/m/l00002**

### Specification

Disposable  
93/42/EEC compliant

### Size

Adult Small: **16-28cm**  
Adult: **26-33cm**  
Adult Large: **33-41cm**

### Code

**WPnmas00002**  
**WPnmam00002**  
**WPnmal00002**

### Reference Module



NIBP  
**WPcubp00001**

## NIBP disposable paediatric cuff

Paediatric Disposable Cuffs for Pediatric patient.



Product code  
**WPnmpm00002**

### Specification

Disposable  
93/42/EEC compliant

### Size

**11-22cm**

### Reference Module



NIBP  
**WPcubp00001**

# SYSTEM

## WinGate

WinGate is a Bluetooth/WiFi Gateway able to receive data from WinPack devices and route them to a TCP channel. The device can be used both for hospital and home applications. The WinGate can be connected to the corporate network.



<i>Wireless</i>	<b>WiFi 802.11 b/g/n</b> <b>Bluetooth class I</b>
<i>Operating mode</i>	<b>Bluetooth</b> <b>Access Point</b>
	<b>Up to 7 WinPack</b>
<i>WiFi</i>	<b>Up to 5 WinPack and Client</b> <b>Bluetooth to WiFi communication Gateway</b>
<i>Access Point</i>	
<i>Client</i>	
<i>Frequency</i>	<b>Singola banda 2.4 GHz</b>
<i>interface</i>	<b>10/100 BASE-T autosensing (RJ45)</b> <b>3 USB 2.0</b> <b>1 micro USB (service only)</b> <b>1 HDMI</b>
<i>Power Supply</i>	<b>PoE: 802.3 af</b> <b>Rete Elettrica: 5 VDC In, 4.2 V out, 660 mA out, 100- 220VAC, 50-60 Hz</b>

*Product Code*  
**INgatw00001**

*Options*  
*Interference reduction*  
**Setting channel to reduce interference with other channels WIFI or Bluetooth**

*Speaker*  
**Repeating alerts**  
**Sound power 61 dB**

## Wi-Fi Gateway

It forwards data from WinPack to the server. It can be connected to the corporate network.



<i>Wireless</i>	<b>Wi-Fi 802.11n, 2x2 multiple input multiple output (MIMO)</b>
<i>Operating mode</i>	<b>Access Point</b> <b>WDS bridging</b> <b>Client Bridge mode</b>
<i>Interface</i>	<b>10/100 BASE-T autosensing (RJ45)</b>
<i>Powering Options</i>	<b>802.3 af Ethernet Switch</b> <b>Cisco SB-PWR-INJ-12V-xx power Injector</b> <b>Rete elettrica (SB-PWR-12 V-xx)</b>
<i>Frequency</i>	<b>Single band 2.4 GHz</b>

*Product Code*  
**INwfap00002**

## Desktop Client

Allows the visualization of data, patient register managing and WinPack handling. It consists of PC, 24" LCD Full-HD display, keyboard and mouse.



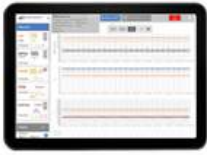
<i>Configuration</i>	<b>MiniPC</b>
<i>Processor</i>	<b>Intel i3</b>
<i>RAM</i>	<b>4 GB</b>
<i>Memory</i>	<b>500 GB</b>
<i>Network</i>	<b>Gigabit Ethernet</b>
<i>Display</i>	<b>Full HD 24"</b>

*Product Code*  
**CRclie00001**

WinMedical provides the Desktop Client the operating system Linux Xubuntu 12.04 LTS 64bit.  
WINMedical software are compatible Windows 7 OS and OSX.

## Mobile Client – Tablet

Mobile Client communicates with WiFi communication. The patient data are available any where within the corporate network coverage.



<i>Model</i>	<b>ipad 3, ipad mini or further</b>
<i>Visualisation</i>	<b>Safari Web-Browser iOS App</b>

*Product Code*  
**INtabl00001**

## Rack Server

The EEC and any software modules software could be installed on the Rack Server. The Rack Server need a Client PC that can act as a client.



<i>Configuration</i>	<b>Rack</b>
<i>Processor</i>	<b>Intel Xeon E3-1240</b>
<i>RAM</i>	<b>8 GB</b>
<i>Memory</i>	<b>2x 2 TB (RAID1) + 1X 500 GB (opzionale) Raid Hardware con RAM Cache</b>
<i>Operative System</i>	<b>Linux XUbuntu 12.04 LTS 64bit</b>
<i>Network</i>	<b>Gigabit Ethernet, static IP</b>
<i>Supply Power</i>	<b>400 W</b>

*Product Code*  
**INrack00002**

## Desktop Server

The EEC and any software modules software could be installed on the Desktop Server. The Desktop Server need a Client PC.



<i>Configuration</i>	<b>Desktop</b>
<i>Processor</i>	<b>Intel Intel Xeon E3-1241-V3</b>
<i>RAM</i>	<b>8 GB</b>
<i>Memory</i>	<b>2x 2 TB (RAID1) + 1X 500 GB (opzionale) Raid Hardware con RAM Cache</b>
<i>Operative System</i>	<b>Linux XUbuntu 12.04 LTS 64bit</b>
<i>Network</i>	<b>Gigabit Ethernet, IP statico</b>
<i>Supply Power</i>	<b>350 W</b>

*Product Code*  
**CRserv00002**

# CERTIFICATIONS



<b>COMPLIANCE</b>		
<b>GENERAL STANDARD</b>	ISO 60601-1 CEI EN 60601-2-49:2002-11	
<b>ACCESSORY MODULES</b>	ECG 2-Lead ECG 5-Lead SpO2 ECG 5-Lead e FR cNIBP T [°C] NIBP	ISO 60601-2-27(HR accuracy) ISO 60601-2-47 ISO 80601-2-61:2011 IEC 60601-2-25 Edition 2.0:2011-10 EN 60601-2-30 EN 12470-4:2000+A1 CEI EN 80601-2-30:2011
<b>EMISSIONS</b>	<b>RADIATED EMISSIONS</b>	CEI EN 60601-1-2:2003 +/-A1:2006 CEI EN 60601-2-49:2002-11 EN 60601-2-27: 2006 EN 301 489-17 V2.1.1: 2009 ETSI EN 301 489-1 V1.8.1 2008 CEI EN 80601-2-30:2011
	<b>EMF STANDARDS:</b>	
	Effective radiated power (e.i.r.p) Frequency range Spurious emissions	ETSI EN 300 328 V1.7.1 2006 ETSI EN 300 328 V1.7.1 2006 ETSI EN 300 328 V1.7.1 2006 BS EN 60601 – 2 – 30:2000 IEC 60601 – 2 -25:2001 Ed. 2.0 CEI EN 60601-2-49:2002 CEI EN 80601-2-30:2011
		CEI EN 50371:2004
	<b>EMF</b>	CEI EN 50371:2004
<b>IMMUNITY</b>	<b>ESD</b>	CEI EN 60601-1-2:2003 +/-A1:2006 EN 60601-2-27: 2006 EN 60601-2-47: 2001 EN 301 489-17 V2.1.1: 2009 ETSI EN 301 489-1 V1.8.1 2008 BS EN 60601 – 2 – 30:2000 IEC 60601 – 2 -25:2001 Ed. 2.0 CEI EN 60601-2-49:2002 CEI EN 80601-2-30:2011
	<b>RADIATED RADIO-FREQUENCY FIELD</b>	CEI EN 60601-1-2:2003 +/-A1:2006 CEI EN 60601-2-49:2002-11 EN 60601-2-27: 2006 EN 60601-2-47: 2001 EN 301 489-17 V2.1.1: 2009 ETSI EN 301 489-1 V1.8.1 2008 BS EN 60601 – 2 – 30:2000 IEC 60601 – 2 -25:2001 Ed. 2.0 CEI EN 80601-2-30:2011
	<b>50 Hz MAGNETIC FIELD</b>	CEI EN 60601-1-2:2003 +/-A1:2006 CEI EN 60601-2-49:2002-11 EN 60601-2-27: 2006 EN 60601-2-47: 2001 EN 301 489-17 V2.1.1: 2009 ETSI EN 301 489-1 V1.8.1 2008 BS EN 60601 – 2 – 30:2000 IEC 60601 – 2 -25:2001 Ed. 2.0 CEI EN 80601-2-30:2011
<b>DEFIBRILLATOR PROOF</b>	<b>ELECTRICAL TESTING (protection against the effects of the defibrillator)</b>	EN 60601-2-27: 2006 (ECG 5-Lead e 2-Lead) CEI EN 60601-2-49:2002-11(WINPack) IEC 60601-2-25 Ed. 2.0:2011-10 (ECG 5-Lead e FR) ISO 60601-1 (WINPack) BS EN 60601 – 2 – 30:2000 CEI EN 80601-2-30:2011
<p>WINPACK IS A CLASS IIA CE0476 MARKED MEDICAL DEVICE ACCORDING TO 93/42/EEC DIRECTIVE COMPLIANT WITH 2004/108/CE ELECTROMAGNETIC COMPATIBILITY DIRECTIVE</p>		

Information subject to change without notice

Technical Specifications.  
Illustrative purposes only. Ver. D - 01/10/2016

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