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GST IN: 07BKGPS6617C1Z4

## Technical Specifications

### Physical and Environmental Specifications

<b>Operating Ambient temperature:</b>	+15°C to 40°C (59°F to 104°F)	
<b>Operating Relative humidity:</b>	15% to 95% non-condensing	
<b>Storage Ambient temperature:</b>	-20°C to 65°C (-4°F to 149°F)	
<b>Transport Ambient temperature:</b>	-20°C to 65°C (-4°F to 149°F)	
<b>Storage Relative humidity:</b>	20% to 90% non-condensing	
<b>Transport Relative humidity:</b>	20% to 90% non-condensing	
<b>External Power supply</b>	Input	100-240 VAC, 50-60Hz
	Output	15VDC at 2A
	Protective Class	IEC Class II, Double Insulated
	Power Connector	4 PIN DIN
<b>Physical Specifications</b>	Enclosure Material	Polycarbonate
	Weight	0.7 kg (1.5 lbs)
	Dimensions (EM4C)	9.9 (l) x 19 (w) x 17.2 (h) cm
	Dimensions (Tray)	30.5(l) x 16.7 (w) x 8.6 (h) cm

\*This is a computer-generated document and requires no signature or stamp.

If you have any questions concerning this quotation, contact 9711347133

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Measurement	NIBP	Oscillometric. Diastolic values correspond to Phase 5 Korotkoff sounds.
Range	NIBP, PWA	Sys: 50 - 260 mmHg Dia: 40 - 200 mmHg
	PWV	2 to 25 m/s
	Heart rate	30 - 220 beats per minute
	Display	0 - 300mmHg
Resolution		1 mmHg
Tonometer		Uncalibrated pressure transducer

## Recommended Minimum Computer Requirements

Type	IBM Compatible PC
Processor	Intel or compatible, Core i3, 32 or 64 bits
Nominal Speed	2.4 GHz minimum
Memory	2GB RAM minimum
Hard Disk	Size 40 GB
	2GB for Installation
	10GB for database
Accessories	DVD drive, USB port
Printer Drivers	User Provided
Communications	USB port
Minimum Display Resolution	1366 x 768 pixels
Operating Systems	Windows 7 Professional + SP1, or Windows 8 Pro, or Windows 10 Professional

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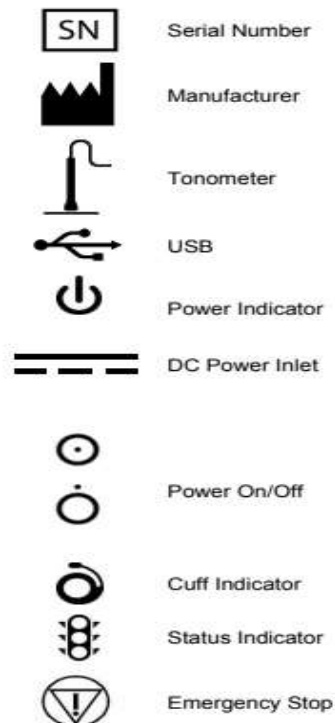
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### Classification of SphygmoCor System

The SphygmoCor XCEL System is classified as follows:

- Class II
- Double insulated
- Type BF Equipment
- This equipment is not suitable for use in the presence of a flammable anaesthetic mixture with air or with oxygen or nitrous oxide.
- Continuous Equipment

The following symbols, listed below with their meanings, are used throughout this manual as well as on the equipment:



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## Standards

The SphygmoCor XCEL System is designed, tested and approved to the following standards:

- Medical electrical equipment -- Part 1: General requirements for safety  
IEC/EN 60601-1:1988+A1+A2 (2<sup>nd</sup> Ed.), CSA C22.2 No 601.1-M90 (2003), UL 60601-1 (2003)  
IEC/EN 60601-1:2005 (3<sup>rd</sup> Ed.), CSA C22.2 No 60601.1 (2008), ANSI/AAMI ES60601-1 (2005+A2)
- Medical electrical equipment -- Part 2-30: Particular requirements for basic safety and essential performance of automated non-invasive sphygmomanometers  
IEC 80601-2-30:2009
- Medical electrical equipment -- Part 1: General requirements for safety Section 2. Collateral Standard: Electromagnetic compatibility - Requirements and tests.  
IEC 60601-1-2:2007 This standard requires approval to:
  - Emissions- CISPR11
  - Immunity - Electrostatic Discharge (ESD) (IEC 61000-4-2)
  - Immunity - Radiated RF Electromagnetic Fields (IEC 61000-4-3)
  - Immunity - Electrical Fast Transient (EFT) Bursts (IEC 61000-4-4)
  - Immunity - Surges (IEC 61000-4-5)
  - Immunity - Conducted RF (IEC 61000-4-6)
  - Immunity - Voltage Dips, Interruptions, Variations (IEC 61000-4-11)
  - Immunity - Magnetic Fields (IEC61000-4-8)

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## Explanation of Parameters/Indices

The SphygmoCor PWA report screens and printed reports contain key patient details, the averaged (derived) aortic waveform, and central hemodynamic parameters.

The following parameters apply to each averaged waveform:

Displayed Parameter Summary:

Calculated Parameters	Description	Abbreviation	Units
Peripheral Pulse Indices			
Heart Rate	Number of heart beats per minute	HR	Beats/min
Period	Cardiac pulse length in time	T <sub>F</sub>	milliseconds
Ejection Duration	The ejection time in one pulse	ED	milliseconds
Brachial Systolic and Diastolic Pressure	The highest and lowest peripheral (brachial) pressure respectively in one cardiac pulse	SYS, DIA	mmHg
Pulse Pressure - Brachial	The difference between maximum and minimum peripheral pressure in one cardiac pulse. Pulse pressure represents the height of the pressure pulse.	PPP	mmHg
Central Aortic Indices			
Aortic Systolic and Diastolic Pressure	The highest and lowest central aortic pressure respectively in one cardiac pulse	SP, DP	mmHg
Aortic Pulse Pressure	The difference between maximum and minimum (SP, DP) central aortic pressure in one cardiac pulse. Pulse pressure represents the height of the pressure pulse.	PP	mmHg
Mean Pressure	Average pressure in a cardiac pulse	MP	mmHg
Augmentation Index at 75 BPM heart rate	Alx normalised to heart rate of 75 BPM	Alx@75	%

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