



THE NEED FOR PATIENT WARMING

HotDog® patient warming is designed to prevent and treat hypothermia in surgical patients. It can be used before, during, and after surgery. The complications associated with unintended hypothermia include increased rates of: bleeding, surgical site infections, adverse cardiac events, and morbidity.

EXPERTS IN PATIENT WARMING

Developed by Dr. Scott Augustine and the same team that invented forced-air warming more than 20 years ago, HotDog

conductive fabric warming was specifically designed to meet the demands of today's clinicians and healthcare facilities.

BENEFITS OF HOTDOG

By being air-free, HotDog eliminates the unintended consequence of forced-air warming: contamination of the sterile field with waste heat. It's easy-to-use and is considered the eco-green warming solution. Lastly, it will save facilities a significant amount of money.

CONTROLLERS

WC02

HotDog Controller
Includes (1) A101 cable

11" H x 7" W x 5.25" D
8.6 lbs



WC52

HotDog Multi-Function
Controller
Includes (1) A101 cable

13" H x 7.75" W x 5.5" D
11 lbs

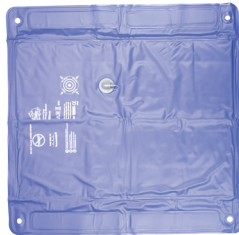


WARMING BLANKETS

B103

Lower Body Warming Blanket

39.5" W x 40.0" L
3.4 lbs



B104

Full Body Warming Blanket

38.63" W x 52" L
4.0 lbs



B105

Multi-Position Warming Blanket

35.68" L x 20.0" W
(x2 panels)
2.8 lbs



B107

Head Warming Blanket

30.75" L x 7.25" W
<1.0 lb



B110

Torso Warming Blanket, V-Shaped

38.25" W x 22" L
1.3 lbs



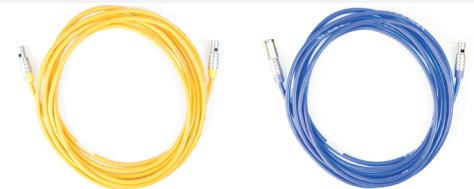
ACCESSORIES

A101

Cable from blanket
to controller, 4 meters

A112

Cable from mattress
to controller, 5 meters



WARMING MATTRESSES

U101

Underbody Mattress 32"
Includes (1) A112 cable
(Must be used with WC52)
19.5" W x 32" L
2 lbs



U102

Underbody Mattress 50"
Includes (1) A112 cable
(Must be used with WC52)
19.5" W x 50" L
3.3 lbs



SPECIFICATIONS	WC0x	WC5x																						
Physical Characteristics																								
Dimensions	29.21 cm high x 13.97 cm deep x 19.69 cm wide 11.5" high x 5.5" deep x 7.75" wide	33 cm high x 14.0 cm deep x 19.7 cm wide; 13" high x 5.5" deep x 7.75" wide																						
Weight	3.6 kg (8.0 lb)	5 kg (11 lbs)																						
Mounting	Can be clamped to an IV pole or hung on a OR/gurney rail using optional hanging hooks	Can be placed on a horizontal flat surface (i.e. table top), clamped to an IV pole or hung on a OR/gurney rail using optional hanging hooks																						
Temperature Characteristics																								
Temperature Control	Micro-processor	Micro-processor																						
Operating Temperatures	<table border="1"> <tr> <td colspan="3">Average temperature at the Warming Blanket:</td> </tr> <tr> <td>High</td> <td>43° + 1.0°C</td> <td>109.4° + 1.8°F</td> </tr> <tr> <td>Medium</td> <td>40° + 1.0°C</td> <td>104° + 1.8°F</td> </tr> <tr> <td>Low</td> <td>37° + 1.0°C</td> <td>98.6° + 1.8°F</td> </tr> </table>	Average temperature at the Warming Blanket:			High	43° + 1.0°C	109.4° + 1.8°F	Medium	40° + 1.0°C	104° + 1.8°F	Low	37° + 1.0°C	98.6° + 1.8°F	<table border="1"> <tr> <td colspan="2">Average temperature at the Warming Blanket:</td> </tr> <tr> <td colspan="2">Blanket Ports A and B adjustable in 1°C increments</td> </tr> <tr> <td>37° to 43° ± 1.0°C</td> <td>98.6° to 109.4° ± 1.8°F</td> </tr> <tr> <td colspan="2">Mattress Port C adjustable in 1°C increments</td> </tr> <tr> <td>35° to 38° ± 1.0°C</td> <td>95° to 100.4° ± 1.8°F</td> </tr> </table>	Average temperature at the Warming Blanket:		Blanket Ports A and B adjustable in 1°C increments		37° to 43° ± 1.0°C	98.6° to 109.4° ± 1.8°F	Mattress Port C adjustable in 1°C increments		35° to 38° ± 1.0°C	95° to 100.4° ± 1.8°F
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Safety System																								
Primary Over-temp Alarm	High-Alarm sounds at 44°C + 1°C	<table border="1"> <tr> <td>Ports A and B (Warming Blanket): Alarm sounds at set point + 1°C</td> </tr> <tr> <td>Port C (Warming Mattress): Alarm sounds at set point + 1°C</td> </tr> </table>	Ports A and B (Warming Blanket): Alarm sounds at set point + 1°C	Port C (Warming Mattress): Alarm sounds at set point + 1°C																				
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Secondary Over-temp Alarm	Independent electronic circuit shuts the heater off if the Warming Blanket temperature reaches 46°C + 1°C.	Ports A and B (Warming Blanket): Independent electronic circuit shuts the heater off if the Warming Blanket temperature reaches set point ± 3°C. Port C (Warming Mattress): Independent electronic circuit shuts the heater off if the Warming Mattress temperature reaches set point ± 2.5°C																						
Time out timer	If warming device does not reach set temperature within 10 minutes the controller will alarm	If warming device does not reach set temperature within 10 minutes the controller will alarm																						
Six hour timer	If a warming device is left at a steady setting for six hours the controller will discontinue power to warming device.	If a warming device is left at a steady setting for six hours the controller will discontinue power to warming device.																						
Over-current Monitoring	<table border="1"> <tr> <td>Port A</td> <td>12 amps max</td> </tr> <tr> <td>Port B</td> <td>1.7 amps max</td> </tr> </table>	Port A	12 amps max	Port B	1.7 amps max	<table border="1"> <tr> <td>Port A</td> <td>10 amps max</td> </tr> <tr> <td>Port B</td> <td>10 amps max</td> </tr> <tr> <td>Port C</td> <td>5 amps</td> </tr> <tr> <td>Port D</td> <td>3 amps</td> </tr> <tr> <td>Port E</td> <td>3 amps</td> </tr> <tr> <td>System</td> <td>14.6 amps</td> </tr> </table>	Port A	10 amps max	Port B	10 amps max	Port C	5 amps	Port D	3 amps	Port E	3 amps	System	14.6 amps						
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System	14.6 amps																							
System Over-current Protection	Dual input fused lines.	Dual input fused lines.																						
Electrical Characteristics																								
Leakage Current	Meets UL 2601-1 and IEC 60601-1 requirements for Class I, Type BF equipment.	Meets UL 2601-1 and IEC 60601-1 requirements for Class I, Type BF equipment.																						
Power Consumption	Peak 580 W	850W maximum																						
Power Cord	4.6 m (15 ft.)	4.6 m (15 ft)																						
Device Ratings	Input: 100-240 VAC, 50/60 Hz, 600VA Output A: 48 VDC, 500 VA Max Output B: 48 VDC, 80 VA Max	Input: 100-240 VAC, 50/60 Hz, 850VA Output A & B: 48 VDC, 480 VA Max each Output C: 240 VA Max Output D & E: 48 VDC, 144 VA Max each																						
Fuses	T6.3AL250V (2 x 5x20mm)	T10AL250V (2 x 5x20mm)																						
Environmental Conditions																								
Environmental Conditions for Transport and Storage	Temperature: -20°C to 60°C Humidity: 20% to 80% Keep Dry	Temperature: -20°C to 60°C Humidity: 20% to 80% Keep Dry																						
Environmental Conditions for Use	15°C to 25°C Humidity: 20% to 80%	Temperature: 15°C to 25°C Humidity: 20% to 80%																						
Classification and Standards																								
Certifications	IEC 60601-1; EN 60601-1-2; UL 60601-1; CAN/CSA-C22.2, No. 601.1, EN 55011	IEC 60601-1; EN 60601-1-2; UL 60601-1; CAN/CSA-C22.2, No. 601.1, EN 55011																						
Classification	Classified under IEC 60601-1 Guidelines (and other national versions of the Guidelines) as Class I, Type BF, Ordinary equipment, Continuous operation. Not suitable for use in presence of flammable anesthetic mixtures with air or with oxygen or nitrous oxide. Classified by Intertek Testing Services NA Inc. with respect to electric shock, fire, and mechanical hazards only, in accordance with UL 60601-1. Classified under the Medical Device Directive (93/42/EEC) as a Class IIb device. Classified under Canadian Medical Device Regulation as Class II.	Classified under IEC 60601-1 Guidelines (and other national versions of the Guidelines) as Class I, Type BF, Ordinary equipment, Continuous operation. Not suitable for use in presence of flammable anesthetic mixtures with air or with oxygen or nitrous oxide. Classified by Intertek Testing Services NA Inc. with respect to electric shock, fire, and mechanical hazards only, in accordance with UL 60601-1. Classified under the Medical Device Directive (93/42/EEC) as a Class IIb device. Classified under the Canadian Medical Device Regulation as Class II.																						
Diagnostics	A qualified technician can perform general system testing. The Controller has no user serviceable parts.	A qualified technician can perform general system testing. The Controller has no user serviceable parts.																						
Important Information	This device complies with the EMC requirements according to IEC 60601-1-2. Radio transmitting equipment, cellular phones, etc. shall not be used in the close proximity of the device since this could influence the performances of the device. Particular precaution must be considered during use of strong emission sources such as High Frequency surgical equipment and similar so that, e.g., the HF-cables are not routed on or near the device. If in doubt, contact a qualified technician or your local representative.	This device complies with the EMC requirements according to IEC 60601-1-2. Radio transmitting equipment, cellular phones, etc. shall not be used in the close proximity of the device since this could influence the performances of the device. Particular precaution must be considered during use of strong emission sources such as High Frequency surgical equipment and similar so that, e.g., the HF-cables are not routed on or near the device. If in doubt, contact a qualified technician or your local representative.																						