

# C3T Monthly Function Checks

Date: \_\_\_\_\_

Step	Task	Result	Check Box*
<b>Power On</b>	Press the <b>[On/Off]</b> key.	The start logo appears, and self-check is initiated	
<b>ECG Monitoring</b>	Connect the ECG cables to the ECG cable tester, testbox, an ECG simulator, or a volunteer.	The ECG and related parameters are displayed as expected in the configured fields	
	For optimal results, select an amplification of 0.5.		
	If the heart rate or ECG are not displayed, assign to a parameter or waveform field.		
<b>Defibrillator / Pacer</b>	Switch on testbox if using.	Energy is internally discharged via the testbox / testload.  No error message is issued.	
	Connect testbox / testload to the therapy socket.		
	Confirm "Mark mission as test mission?" by pressing the <b>[Yes]</b> softkey.		
	Select Manual mode.		
	For the testload, select an energy of 50J.		
	For the testbox select an energy of 200J.		
	Charge energy.		
	Deliver shock.		
<b>Oximetry</b>	Attach oximetry sensor (with intermediate cable) to a finger.	The pulse rate (PR) is displayed in a parameter field.	
	If a required parameter does not appear in a parameter field, it may not be configured.	The plethysmogram is displayed in a waveform field.	
	Assign parameter to a parameter field.	Any further required parameters are displayed in the relevant fields.	
<b>Capnometry</b>	Connect a disinfected airway adapter to the CO <sub>2</sub> sensors and ensure the connecting cable is attached to the patient box.	The CO <sub>2</sub> value is displayed in a parameter field.	
	Breathe in and out through the adapter several times.	The respiration rate is displayed in a parameter field.	
	If the CO <sub>2</sub> value, respiration rate or capnograph are not displayed in the relevant fields they may not be configured. Assign the parameters as required.	The capnograph is displayed in a waveform field.	



<b>Temperature Measurement</b>	Connect a temperature sensor to the patient box.	Display of the room temperature.	
	If the temperature value is not displayed in a parameter field, it may not be configured. Select the parameter field in which the value should be shown	The temperature value increases when the sensor is in your hand.	
	Hold the temperature sensor in your hand.		
<b>NIBP</b>	Perform a blood pressure measurement on a volunteer with the NIBP cuff.	The NIBP value is displayed in a parameter field.	
	If the NIBP value is not displayed in a parameter field, it may not be configured. Select the parameter field in which the value should be shown.		
<b>Invasive Blood Pressure Measurement (IBP)</b>	Test the ability to calibrate the transducer by exposing the transducer to atmospheric pressure.	After successful calibration, a pressure of 0/0 mmHg is displayed.	
	Select in the main menu <b>"IBP"</b> then <b>"Calibr. P1"</b>		
	Perform the functional test according to the operating instructions for the transducer. If the measured value of IBP is not displayed in a parameter or waveform field, it may not be configured. Select the parameter field in which the value should be shown.	An invasive blood pressure is displayed in the parameter or waveform field after the functional check is complete.  The displayed pressure waveform shows scaling.	
<b>CPR Feedback</b>	To test the CPR function and the CPR sensor, select the manual mode of the defibrillator.	The compression rate (CPR Rate) is displayed in a parameter field.	
	Connect the CPR sensor to the intermediate cable attached to the patient box.	The CPR chart is displayed in a waveform field.	
	Move the CPR sensor up and down, at approximate compression rate.		
	If the CPR rate or chart is not displayed in the parameter or waveform field, it may not be configured. Assign the display to a parameter or waveform field.	Speech and text messages "Push harder", "Good compressions" and "Fully release" are issued.	
<b>Memory Card</b>	Check in the operation browser whether there is sufficient memory space for further missions.	A free memory space of at least 25% is indicated.	
<b>Alarm Function Test</b>	Connect sensor for each parameter to be checked.	Visual and audible alarm signals are issued.	
	Change upper or lower alarm limits to provoke an alarm.		

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\*Use the **Check Box** when completing the individual components of the **Monthly Function Checks** for the **C3T**.

\* For the permanent display of a parameter, the configuration will need to be saved on the device by an authorised person, in keeping with the configuration agreed by the organisation's clinical lead(s).

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This document has been developed to provide users with an overview for safe device operation in accordance with its function and intended use and does not replace the user manual. All persons dealing with use, maintenance and troubleshooting must read and implement the user manual. Illustrations may not reflect that displayed on your device. Subject to technical modifications, mistakes, and printing errors.