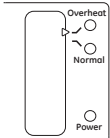


B. Overheat Mode

When operated in the overheat mode, the heat is generated from the contact plate on the underside of the enCheck unit. The enCheck heats the Warmer to > 45 °C. This temperature range simulates an over-temperature situation demonstrating the functionality of the alarms (audible, LED's, and display (Controller only).

1. Setup is the same as in the above steps 1-7 with the exception of step 4. Skip step 4. (In the Overheat mode, it is only important to review the temperature of the Warmer, which is displayed on the Controller/AC Power Pack front panel. This circumstance obviates the need for the thermometer on this test.)



2. After waiting in step 7 above for ≈ 30 to 60 sec., slide the switch to the overheat mode. Note: Always operate the enCheck in the normal mode first before switching to the overheat mode.

Note

Temperatures of > 42 °C and < 46 °C are shown in Yellow on the Controller display and Warmer Temp LED indicating above normal conditions. These are visual alarms alerting to a potential over temperature condition.

3. Confirm that after reaching temperatures of > 45 °C, the Warmer LED blinks red, temperatures shown on the Controller display are in Red, and the audible alarm sounds.



4. Move the MAINS power switch on the back of the Controller/AC Power Pack to the OFF position.

5. Pull open the Warmer covers and carefully remove the enCheck. Use caution as the surface of the contact plate on the underside of the enCheck may still be hot.

Note

While in the overheat mode, after confirming that the temperature on the Controller display is > 45 °C, if the audible alarm does **not** sound, or if the Warmer LED does **not** blink red, or if the Controller display does **not** blink red, take the Warmer unit out of service. Call Customer Service at 800.932.0760 for an RGA. Please reference the RGA section in the enFlow Operator's Manual for further information regarding returns.

Cleaning the enCheck

1. Use only approved cleaning solutions. (Please reference the Cleaning section in the enFlow Operator's Manual for further information regarding approved cleaning solutions.)
2. Moisten a clean cloth with the cleaning solution; do not spray or pour cleaning solutions directly on to enCheck.
3. Wipe the surface of the enCheck, taking care not to leave excess residual cleaner on the enCheck. If fluid ingress is detected, set the enCheck aside for an extended period of time to allow it to dry.



Healthcare Technology
International Limited
15/F, Blk B, Veristrong Industrial Centre,
36 Au Pui Wan Street, Foton, Hong Kong



GE Medical Systems SCS
283 rue de la Minière
78530 BUC, FRANCE
P +33.1.30.70.40.40

United States Service and Technical Support
Enginivity, LLC.
Subsidiary of Vital Signs, Inc.
a GE Healthcare Company
1 Militia Dr, LLA
Lexington, MA 02421
TEL: +1 781 862 7008
FAX: +1 781 862 7018

© 2010 General Electric Company – All rights reserved. General Electric Company reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation. Contact your GE Representative for the most current information. GE, GE Monogram, Vital Signs, Enginivity, enFlow, and enCheck are trademarks of General Electric Company. Vital Signs, Inc., a General Electric company, doing business as GE Healthcare.

P/N 4400-0120 Rev A_1 enCheck UG 08/2010

enCheck™ User Guide

Vital Signs, Inc.
a GE Healthcare Company



imagination at work

User Guide

REF

Catalogue number

SN

Serial number

Manufacturer

EC REP

Authorized Representative
in the European Community

CE

Direct Current

Attention: Consult Instructions for Use

Attention: Contact surface may be hot.

Do not throw in trash.

WARNING

- Do not connect the enCheck™ to an enFlow™ System while it is in any way connected to a patient.

Cautions

- The enCheck is to be used only with the enFlow Warmer and Controller.
- Do not touch the enCheck contact plate surface during or immediately after use since it may be very hot.

enCheck Description

The enCheck is designed to verify the Warmer operation at the enFlow's installation site. In the **Normal Mode**, it allows for confirmation of the temperature output of the Warmer. In the **Overheat Mode**, it heats the Warmer to an over-temperature scenario causing the alarm to sound. (Please refer to the Preventative Maintenance Record for a guideline on frequencies for preventative maintenance.)

LEDs, slide switch, and thermocouple adapter

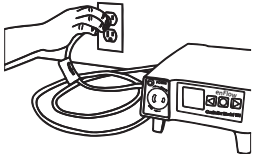
There are three LEDs on the enCheck.

- Lighted Orange LED indicates the power is on.
- Lighted Green LED indicates the enCheck is in the Normal Mode.
- Lighted Red LED indicates the enCheck is in the Overheat mode.

There is a slide switch for switching the overheating on/off.
There is a thermocouple adapter for connecting to calibrated thermometer for verification.

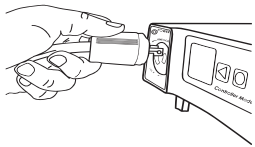
A. Normal Mode

When the enCheck is connected and the switch is set to the normal mode, the heat is generated from the warmer unit using the same technology as when a cartridge is installed. This mode allows for confirmation of the temperature output of the Warmer.

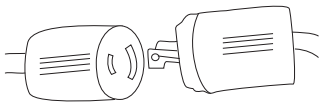


1. Plug the Controller/AC Power Pack into a hospital grade outlet.

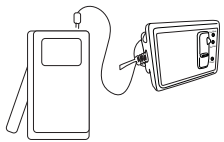
P/N 4400-0120 Rev A_1 enCheck UG 08/2010



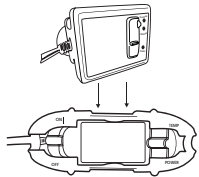
2. Connect the enCheck to the Controller/AC Power Pack by inserting the male plug end of the enCheck Hubbell connector into the female receptacle on the front face of the Controller/AC Power Pack. Push it in and twist so that the plug cover is locked tight against the receptacle.



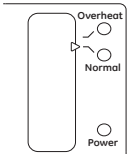
3. Connect the Warmer to the enCheck by inserting the male plug end of the Warmer into the enCheck female receptacle. Push the plugs together and twist to lock tightly against each other.



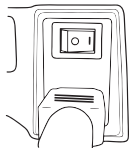
4. Take the temperature probe connector on the enCheck and insert into a calibrated thermometer. Set thermometer to "K" type setting.



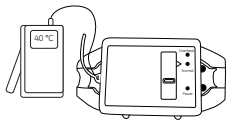
5. Insert the enCheck unit into the Warmer. The end of the unit is keyed similar to the Cartridge so it will only fit in the correct orientation. Close the covers.



6. Confirm the enCheck is set to the normal mode.



7. Move the MAINS power switch on the back of the Controller/AC Power Pack to the ON position. Wait for the thermometer to stabilize, ≈ 30 to 60 sec. assuming all equipment is close to 20 °C. Confirm that the temperature on the thermometer is 40 °C ± 2 °C.



Note

If the temperature in step 7 above is not 40 °C ± 2 °C, take the Warmer unit out of service. Call Customer Service at 800.932.0760 for an RGA. Please reference the RGA section in the enFlow Operator's Manual for further information regarding returns.

P/N 4400-0120 Rev A_1 enCheck UG 08/2010