

Technical Note 973-000_TN001_071115 DPD-3

DPD-3

Module: Calibration

How to enter correction factors in DPD-3 manually

Always hit ENTER after each selection if nothing else is stated. To backspace, press the DEL (Delete) key. To go backwards in the menu hit the ESC-key. To end the section without saving the Data hit the QUIT-key.

1. Select SET on the DPD-3
2. Enter user-defined password or 4567 which always will work. Finish with ENTER.
3. Print out the existing data , if a printer is connected. If not hit ENTER.
4. Select 2> CORR -- For correction calibration
5. Note. If the diodes have been in use after last sensitivity calibration a new sensitivity calibration should be done prior to correction calibration.
6. If the correct Sensitivity-set is active (1 to 5), make sure that the correct detectors are connected. Hit ENTER twice and continue. If another Sensitivity-set will be used, hit ENTER and select 1 to 5 and then ENTER. Make sure the right Detectors are connected and then hit ENTER twice.
7. Note. When the text "CHANGE SENSI SET (1-5) : " comes up and no changes will be done just hit ENTER to continue.
8. Enter a number to select one of the 99 Correction-sets (1-99) available. If 0 is chosen the DPD will automatically select the first non used Factor-Set. If all Factor-Sets are used the system will once again ask for a number between 1 and 99.
9. Note. If the Correction-set has been used before, the existing factors for the Correction-set will be displayed on the displays.
10. Information regarding the treatment set-up can be stored with each Correction-set. This information will be displayed when the user selects a new Correction-set at normal use. The risk will thereby be minimized for incorrect selection of Correction-set.
11. (X, Y, Room no. and radiation type must not be filled in. Hit ENTER to bypass)
 - a. Enter the field size in X-direction in mm.
 - b. Enter the field size in Y-direction in mm.
 - c. Enter a treatment-room number, to distinguish between treatment rooms, if the electrometer is used in different rooms.
 - d. Enter type of radiation, photons or electrons
 - e. Enter energy of the beam in MV or MeV.
12. If the factors are predefined, select 1 (ENTER FACTORS) and type the data..
13. Turn ON the channels to be used one by one. If it is a recalibration and no changes are to be done regarding active channels and serial number, then just hit ENTER to continue. Each channel can be turned ON and OFF by simply pressing the key 1 to 3.



14. Enter the correction factor. To delete previous factor press DEL button. On the display 0000 indicates the channel as active and ---- indicates the channel as inactive.
15. Note. Normally the same channels activated during sensitivity calibration should be active. However channels active during sensitivity calibration must not be active in the correction set. A channel which was not defined as active in the sensitivity calibration will not be possible to activate during correction calibration.

In case of any further questions, please contact us under:

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