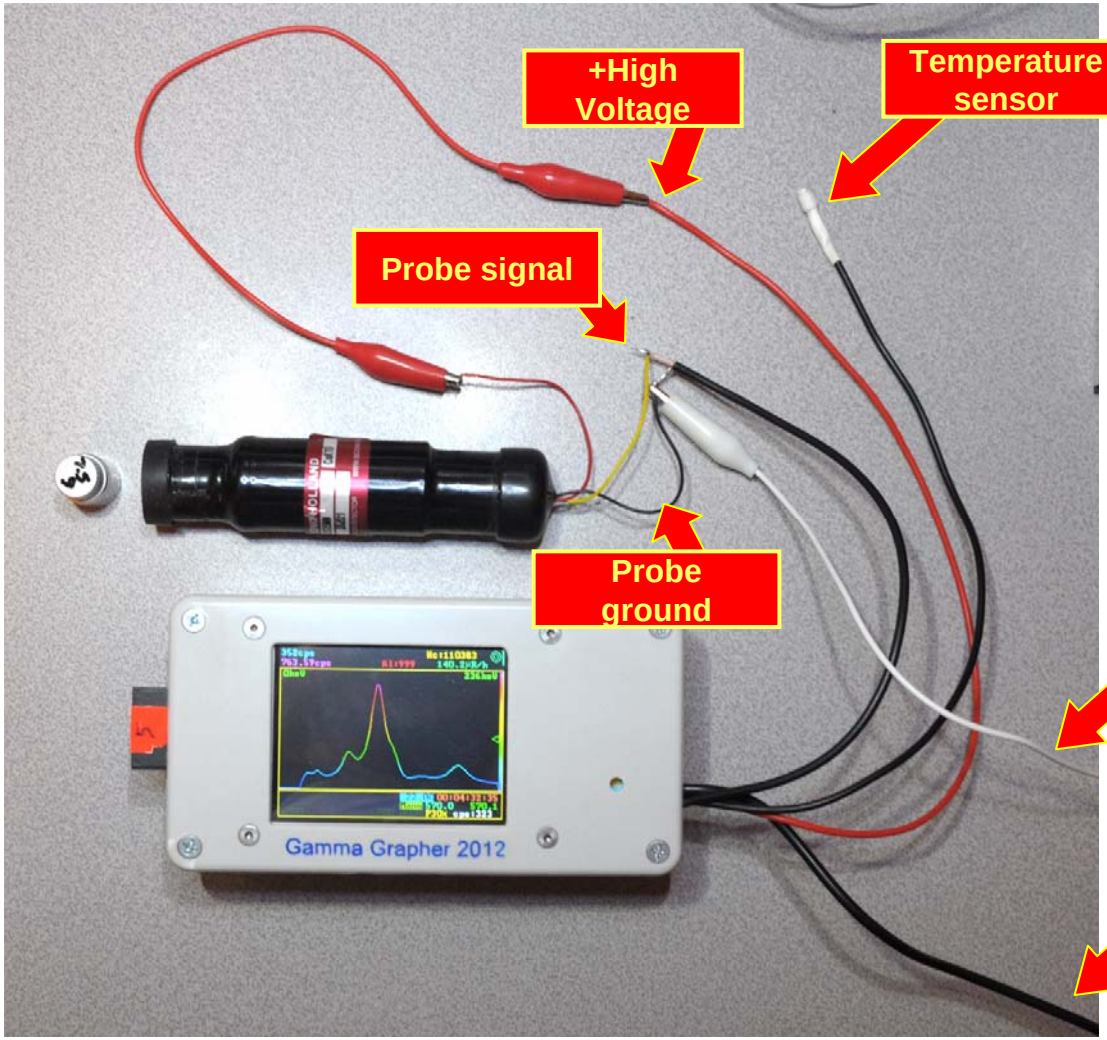
Gamma Grapher 2012
Quick setup guide



IMPORTANT!
Even when the high voltage is not activated a voltage can be present on the red wire, between 50 and 80V.

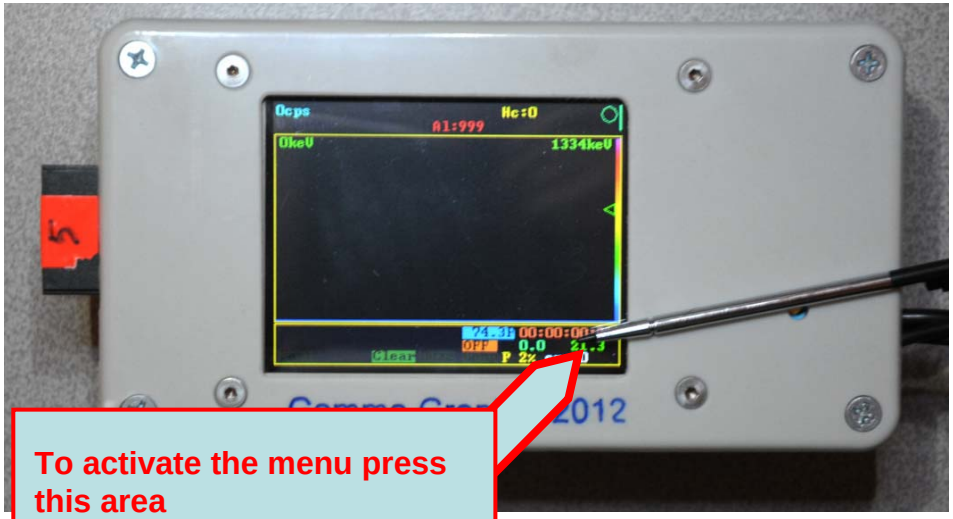
First power up

If the SD card is correctly inserted the startup screen should be displayed. Geo you have the special customized Hazmat version ☺

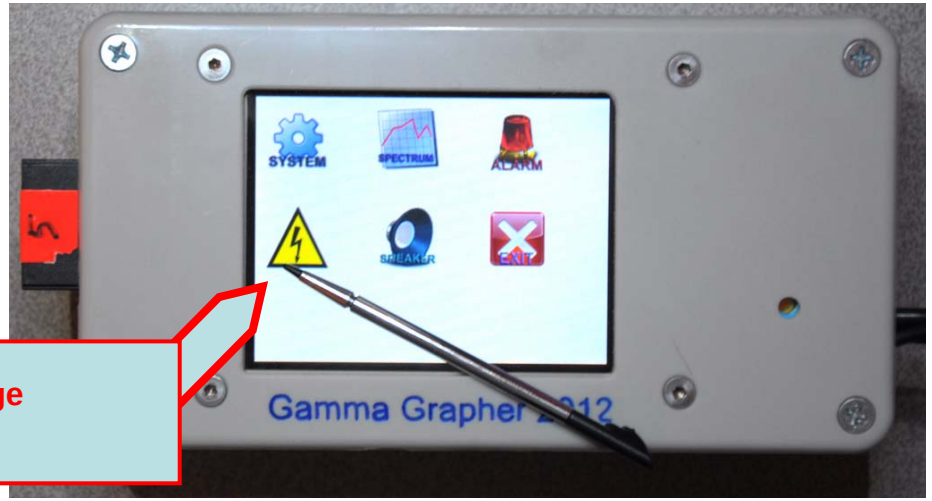
A self test is performed, note that in certain condition the temperature sensor may display a failed status, this is normal.

If there is a failed line the page will wait for the user to press a next button otherwise it is automatically cleared.

Connect the MCA to the probe



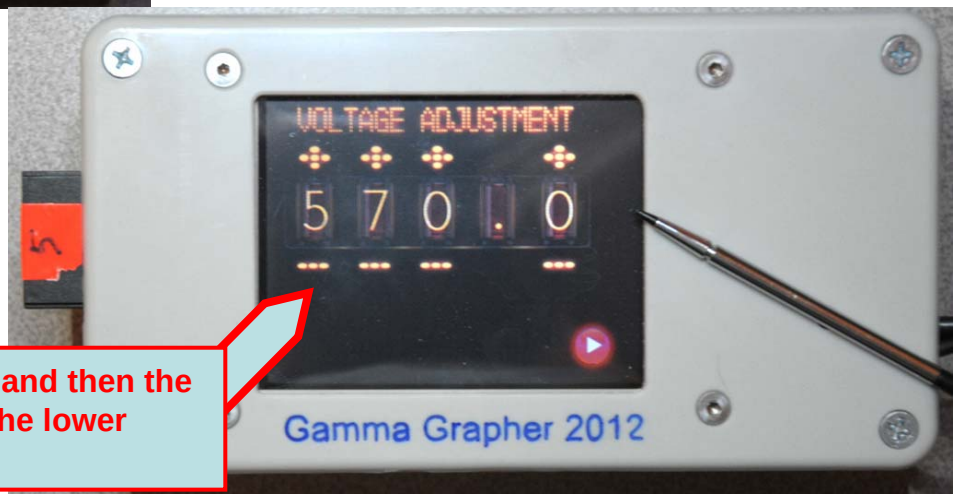
To activate the menu press this area



Set the high voltage parameters

Set the HV value

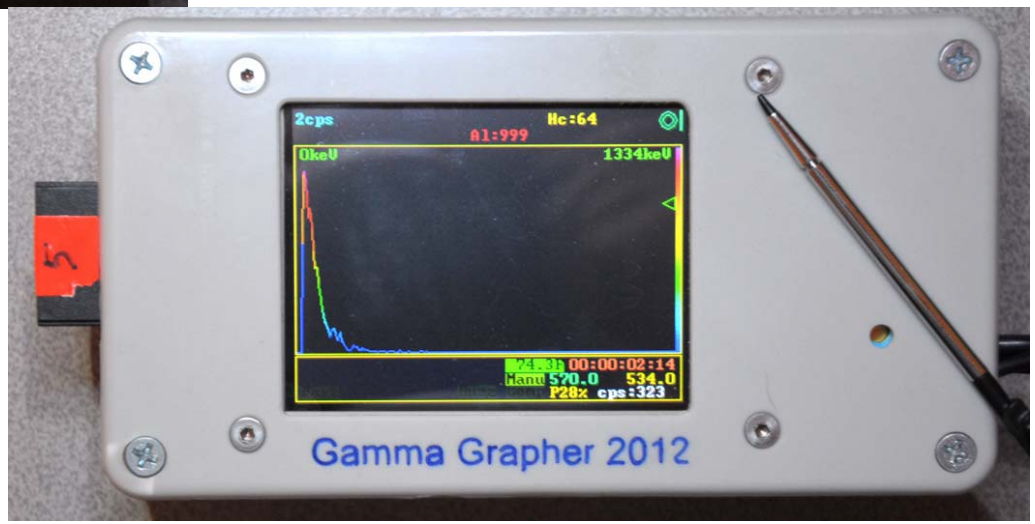
Set the HV value



Set the voltage and then the exit button on the lower right

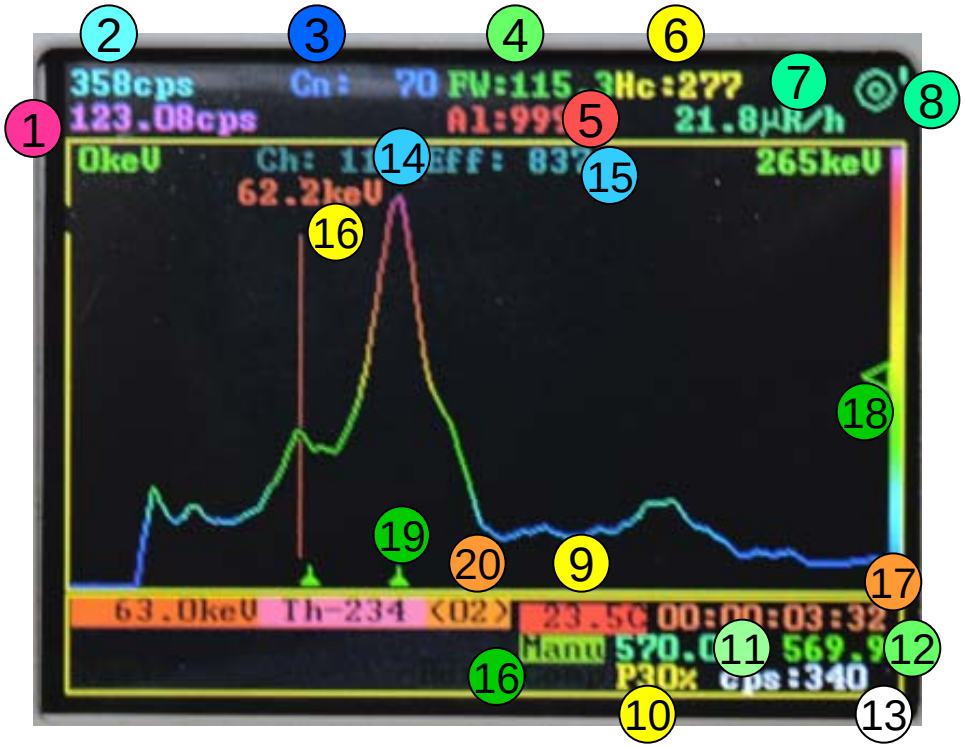
Activate the high voltage

Warning! When this button is pressed it will activate the high voltage module



The high voltage will now slowly increase to reach the target value. This can take up to 40 seconds to match the value.

Congratulations! Your GG2012 should now see your first spectrum.



1- the cps average since the power on
2 - the cps average on the last 10 seconds
3 - the counts on the selected channel
4 - the FWHM
5 - the alarm level
6 - the highest count on the screen
7 - the compensated dose in µR/h
8 - a blinking indicator when the software is OK
9 - the temperature, blue= coldest, green = actual, red= hottest, C = Celsius, F= Fahrenheit
10 - power load for the HV
11 - target HV value
12 - measured HV value
13 - instant uncorrected CPS, 1 and 2 values are dead time corrected.
14 - the selected channel
15 - the efficiency of the channel, used for the dose
16 - the voltage control, manu, auto (temperature compensation), off
17 - the time since the last spectrum clear
18 - the sliding scale indicator
19 - the isotope energies indicator
20 - the number of lines for the isotope

To be continued, the user's manual of the prototype could also be used while waiting an update for the actual version