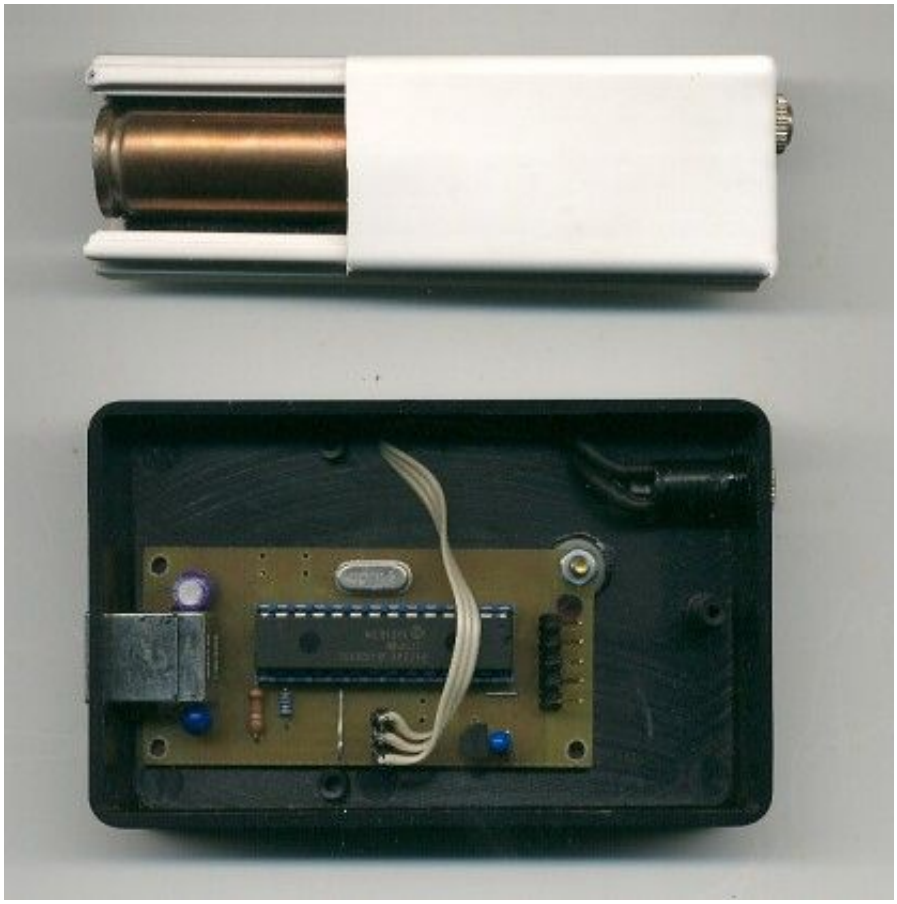
System theremino

A case
for the Geiger tubes

Permanently connect the tube to the Geiger Adapter

The Geiger_Adapter must be adapted to its tube geiger as voltage and load resistance and stably connected to form a single whole that is the complete probe, so that it can quickly replace with another probe (also it completes its power supply)

Some people prefer to complicate your life and make strange multiple connections with BNC and shielded cables but that would create problems, as well as shorten the life of the tube because unless the right to make changes (remove the resistor from the output GeigerAdapter and put it attached to the tube) the ability of the shielded cable on the tube at each drain may tick with a strong instantaneous current, not limited by a resistor.



Here we see a probe consisting of a tube Geiger LND-712 and a Geiger Adapter in a raceway for electrical installations.

One below and 'a kind of "Master" of an early version of 2011, back when the system was not called Theremino

A container cheap and easy to build

In these pictures you can see my two favorite probe tube SBM-20 (closed and open)

All tubes geiger cylindrical in shape can be mounted very easily in this way.

This type of installation and 'suitable for the following tubes: 2xSBM20 - VA-Z-115-1 - SBM20 - STS5 - SI-29BG - LND712 - GMT-01

Take a piece of trunking electrical system and make a probe with two tubes SBM20 and the Geiger_Adapter in this way we obtain a robust and sensitive probe.

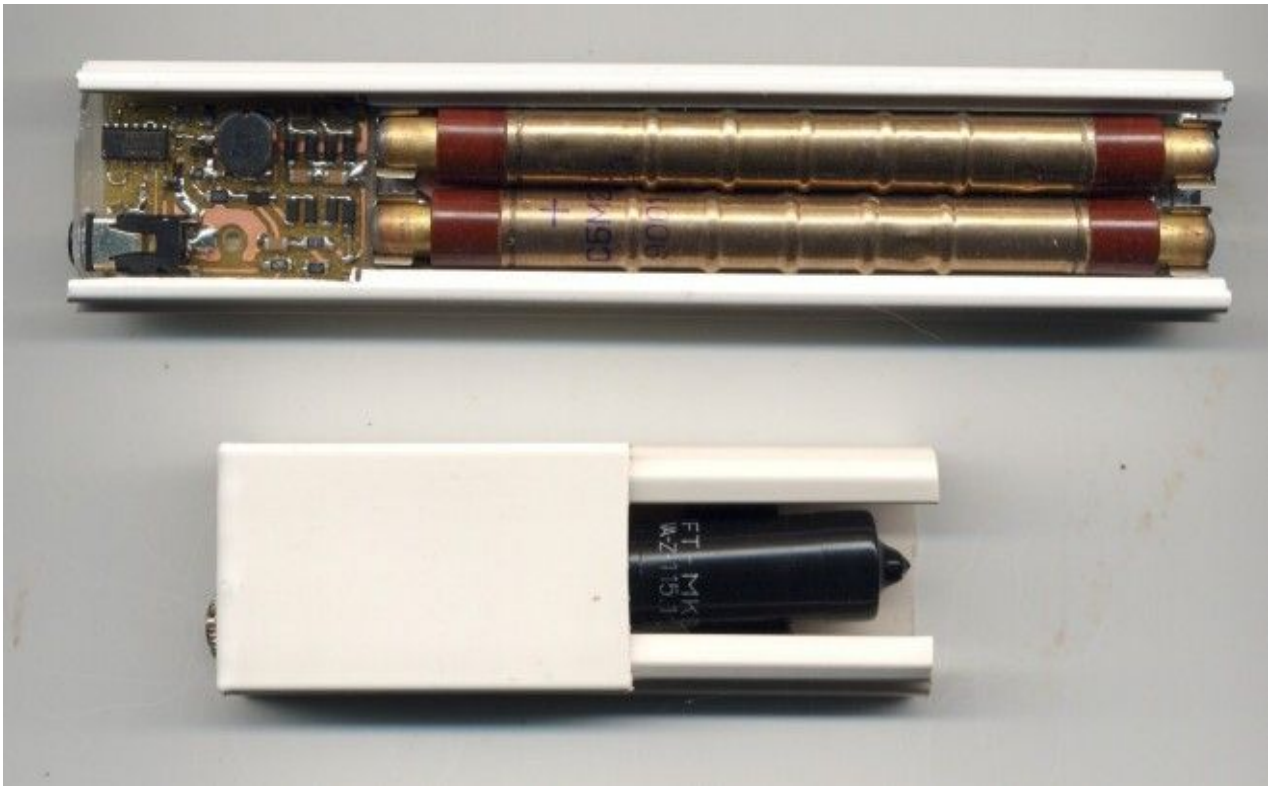
The channels of these images are SCAME WADO 30 x 15 mm but can also fit other models with the same size.

The terminals derived from the fuse have been cleaned from all plastic and welded to a piece of copper vetronite long as the tubes and glued on the bottom of the raceway.

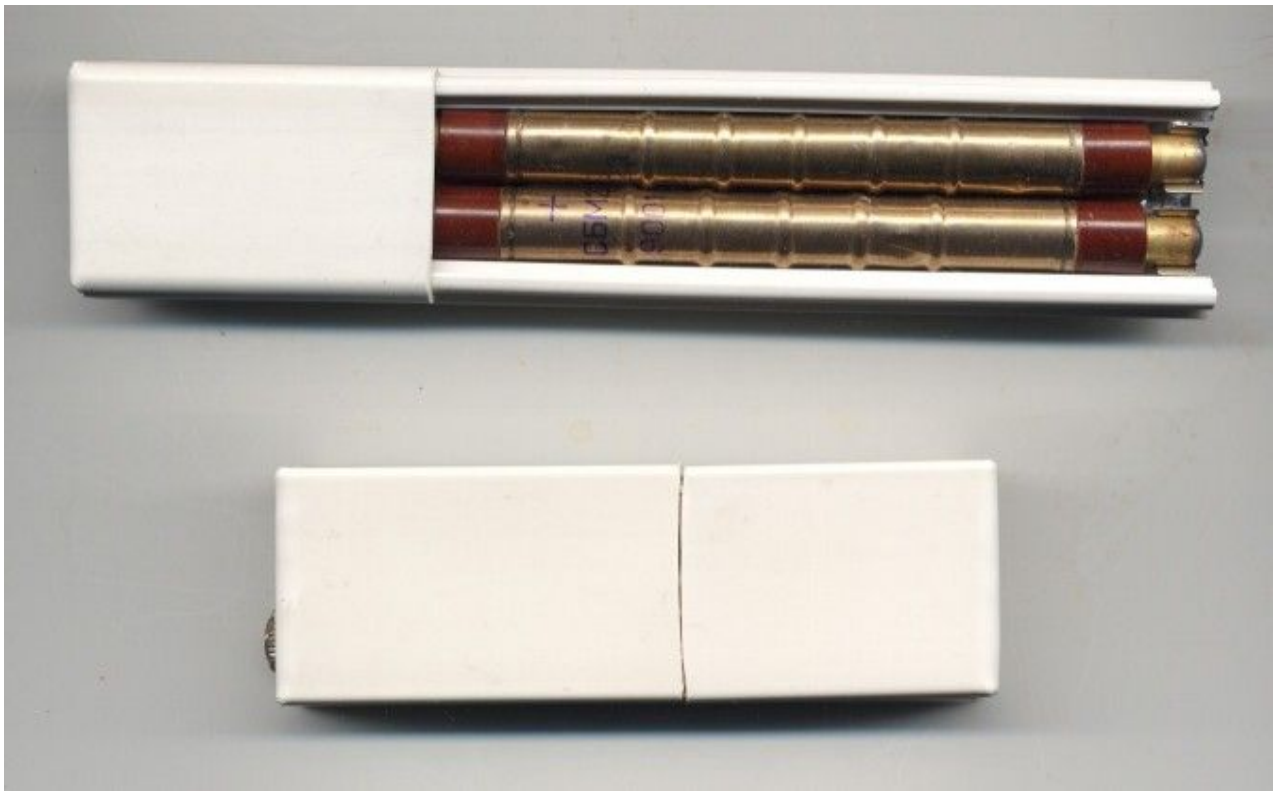
Even the Geiger Adapter has been glued on the bottom of the duct with a drop of hot glue. You can also use the Attack but it is good not to put much, just one or two small drops, so you can easily detach, by applying force with a screwdriver.

This is a probe with LND-712

Examples of complete sensors

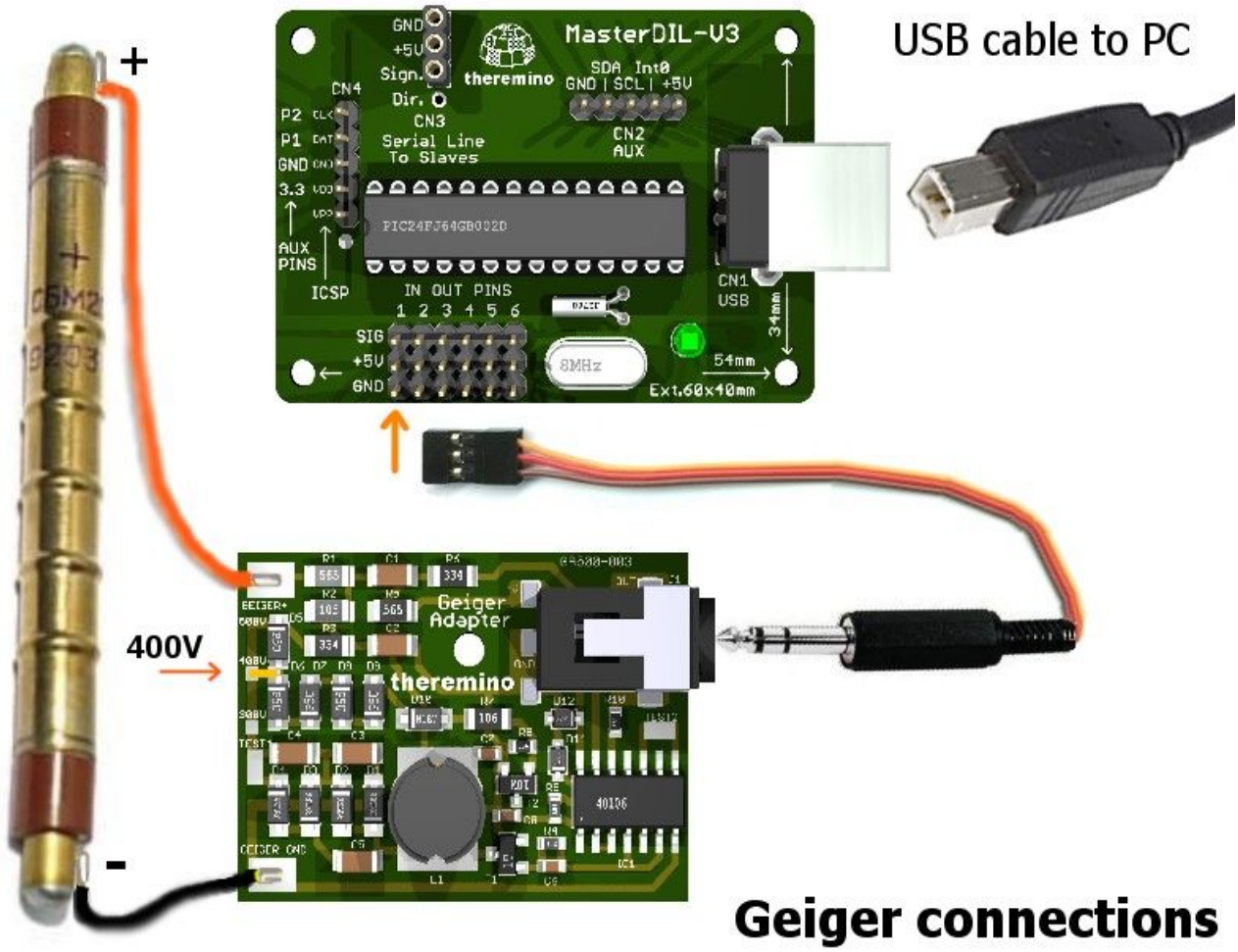


In this picture you can see a double SBM-20 and a small probe tube Geiger VA-Z-115-1



The same probes with protective covers

Connections



Connections to the ends of the Geiger tubes

To connect you should use small wires and soft and you should NOT weld the Geiger tube .

You could:
- Wrap them around and then put a ring of elastic
- Wrap and put tape
- Take a piece of rubber hose cut into slices to make rings
- Sliced rings of heat-shrinkable sheath
- Wind more wire and then put a drop of hot glue
- Use clips obtained from the holder and then welded on a base of vetronite with copper

Keep the positive wire a few centimeters long running the Geiger tubes so that they have the anode (marked +) next to Geiger_Adapter.

The negative wire will slide to the side of the tube and can be as long as you like.

Any solution is fine, it does not break anything, and if you touch the 400 volt not take the shock (the current is limited to a few tens of uA)

Connections to the ends of the SBM-20

And 'well do not solder the terminals of the SBM-20

This particular shows how to use the proceeds from the fuse terminals for optimum connectors for the Geiger tube SBM-20