

## A way to dress a Russian pancake by TOTO4G

This is a guide to build probe using a Russian Pancake GM tube SI-8B / CI8B.

what it takes to create the new probe:

Russian SI-8B pancake GM tube  
one 4.7Mohm resistor + some wire  
Cup Oil Filter  
Chrome handle (preferred)  
recovered plastic cap  
fine net  
BNC connector

I found the cover for oil filters, the measures are good, who can use a lathe, can create a recess to accommodate the probe, drilled to accommodate the BNC, with two washers, attach the handle.

put everything together in this way  
solder the wire with resistor on the BNC connector,  
the final result, probe completed  
I tested this probe at 450volt,  
and works very well.

good luck  
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Counter Type	Working Voltage	Plateau Length/Inclination	Sensitivity to Gamma Radiation	Own Background	Working Temperature Range
SI8B	400 V	80V/0,3%/V	400 Pulses/ $\mu$ R	2,0 Pulses/s	+60 - -50 0C