

The order of work with the device DP-5V

X-ray meter-radiometer DP-5V is designed to determine the exposure dose rate during radiological reconnaissance



Preparing the device for operation

Place the A-336 elements in the power compartment

Turn the subrange switch to the black triangle, while the microammeter needle should be set within the black bow of the scale. If the arrow does not accept this position, replace the power supply

Functional check

Set the rotating screen of the probe (shutter) to the "K" position (align with the line of the probe body). The scale needle should deviate into the black segment of the scale. The probe is operational and ready for operation.



Set the sub-band switch to the "× 10" position. The arrow deviates to numbers 2-3 on the upper scale in the position "× 1" and "× 0.1" the arrow goes off scale



Measurement of exposure dose rate (radiation level) on the ground

Set the rotating screen of the probe in the "Г" position



To determine gamma and beta radiation, put the probe screen on the letter "B"



Place the probe at a height of 70-100 cm from the ground (in a case or on an extension rod)

Set the subrange switch to 200 and mark the radiation level on the lower scale (0-200). If it is less than 5 R / h, put the switch in the "× 1000" position, mark on the upper scale at which division the arrow of the device is set, this will be the radiation level in R / h.

If the arrow does not move when the switch of sub-ranges is moved to 200 or 1000, the switch is to be moved to the sub-ranges of x100, x10, x1, x0.1. The result is read on the upper scale in mR / h and the resulting figures are multiplied by the sub-range indicators. The exposure dose rate is measured in mR / h