

BETA-RADIOMETER FOR THE CONTROL SURFACE CONTAMINATION OF DIFFERENT DIAMETER TUBES

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The portable β -radiometer with composition of detector blocks for control contamination of external and inner surface tube with diameter 50 mm and charger have been developed. The main parameters of blocks detection - natural background, sensitivity to β - and γ -radiation's and surface minimum measuring activity under different mode of operation radiometer were determined. The radiometer was tested in the real conditions under control β -contamination of different diameter tubes.