

SI21G Counter

Maximum operating exposure dose rate of gamma radiation, A/kg (R/s):

2.57×10^{-9} (1×10^{-5})

Maximum permissible exposure dose rate of gamma radiation, A/kg (R/h)

(for 1 minute):

2.1×10^{-6} (300)

INSTRUCTIONS FOR USE

1. During operation of the counter, the values of parameters defining the operating mode must not exceed the specified limits. Failure to meet this requirement may result in the counter becoming inoperative.
 2. For prolonged and stable operation of the counter, it is necessary to:
 - a) Prevent any type of contamination that may impair its insulation properties;
 - b) Protect the counter from impacts and mechanical damage;
 - c) Observe correct polarity when connecting the counter.
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Contains no precious metals.

Technical specifications: SUO 339 014 TU.

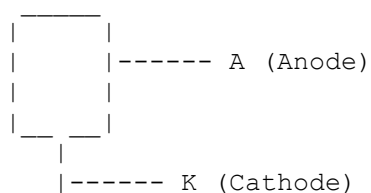
Stamp: [OTK – Quality Control Department]

The SI21G counter is intended for measuring gamma radiation.

Individual No.: 310

Date of manufacture: Nov 1986

Electrode connection diagram:



Main Electrical and Radiometric Parameters

- **Starting voltage for counting, V:** 285–335
 - **Length of counting plateau, V, not less than:** 100
 - **Slope of counting plateau, %/V, not more than:** 0.125
 - **Intrinsic background, pulses/s, not more than:** 1.3
 - **Sensitivity, pulses/ μ R/s:** 285–385
 - **Pulse amplitude voltage, V, not less than:** 10
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Permissible Operating Modes

- **Operating voltage range, V:**
 - Not less than: 380
 - Not more than: 480