

SI8B

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Geiger-Muller counter of beta-gamma-radiation



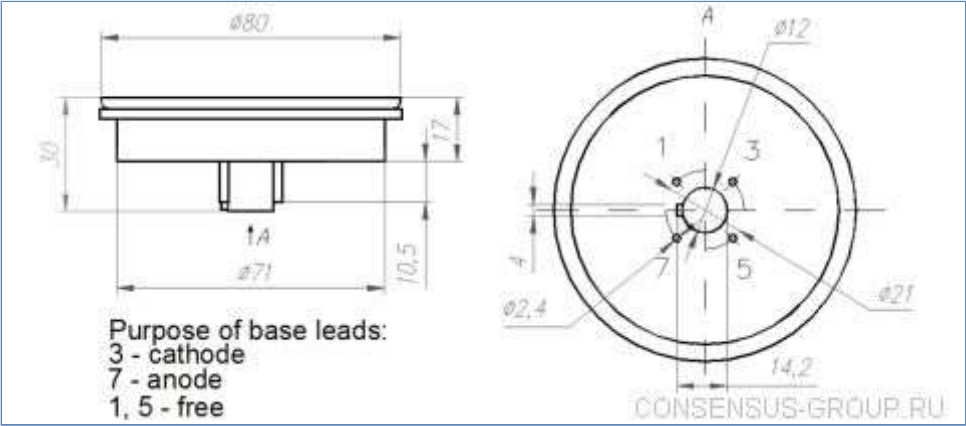
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Main characteristics

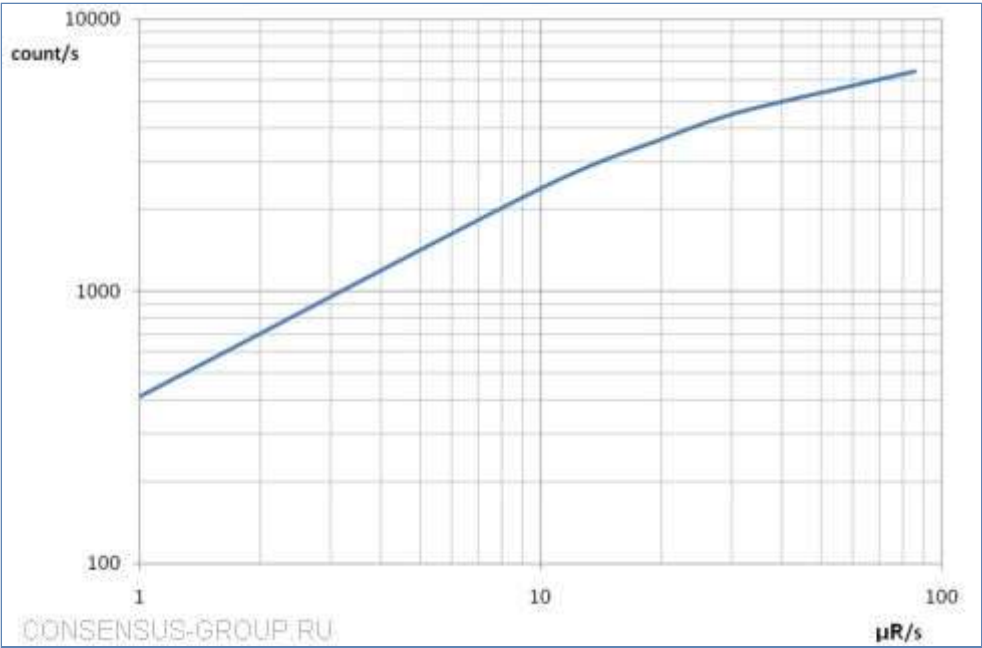
Starting voltage	V	305 max
Working voltage	V	390
Plateau length	V	100
Plateau slope	% / V	0,25 max
Dead time	µs	160
Sensitivity to ⁶⁰ Co with DER 1 µR/s	count / µR	350 ÷ 500
Sensitivity to ¹³⁷ Cs with DER 3 µR/s	count / µR	250 ÷ 310
Efficiency to beta radiation	%	50 ÷ 85
Interelectrode capacitance	pF	13
Own background (in the 50 mm Pb shield)	count /s	2,0 max
Mica window area	cm ²	33
Operating temperature range	°C	-50 ÷ +60
Life expectancy	count	1×10 ¹⁰
Weight	g	93

Well-known analogues: **beta-gamma-radiation counter SI8BM**

Overall dimensions



Typical count rate as a function of dose rate ^{60}Co



The scheme of connection

