

Contamination Probe ABG-170



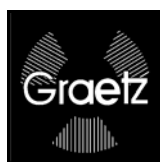
- thin-layer plastic scintillation detector with ZnS coating, integrated photomultiplier and detector electronics
- high sensitivity
- detection of α -, β - and γ -contaminations
- detector surface 170 cm²
- by using a probe cable connectible as pulse probe to the GRAETZ dose rate meter "X 5 C plus"
- display: cps or pulse summation with integration time
- power supply from the basic unit "X 5 C plus"
- acoustic single-pulse indication at the "X 5 C plus"

Technical Data

Type of radiation:	α , β and γ
Indication range:	0 - 20 Kcps
Background counts:	15 - 25 cps
Active surface:	170 cm ²
Alarm threshold:	cps and pulse summation
Dimensions:	approx. (390x125x75) mm (handle included)
Weight:	approx. 790 g



Efficiencies for various radionuclides (average values of measurements with 100 cm ² substances)			
C-14	~ 14 %	Tc-99m	~ 3 %
F-18	~ 18 %	In-111	~ 8 %
P-32	~ 25 %	I-123	~ 7 %
S-35	~ 5 %	I-125	~ 12 %
Cl-36	~ 42 %	I-131	~ 21 %
K-40	~ 30 %	Cs-137	~ 35 %
Co-57	~ 7 %	Au-198	~ 23 %
Co-60	~ 27 %	Tl-204	~ 43 %
Sr-89	~ 27 %	Am-241 α	~ 22 %
Sr-90 / Y-90 (referred to Sr-90)	~ 42 %	P-238 α	~ 12 %
		U-238 α	~ 26 %



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