

CONTAMINATION PROBE

ABG170

Product features

- ▲ 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 **X5C plus** or **GammaTwin S**
- ▲ Display: cps or pulse summation with integration time
- ▲ Power supply from the basic unit **X5C plus** or **GammaTwin S**
- ▲ Acoustic single-pulse indication at the **X5C plus** or **GammaTwin S**
- ▲ Option for use with **GammaTwin S**:
universal holder for one-hand operation

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. 390 x 125 x 75 mm (handle included)
Weight:	Approx. 790 g

Efficiencies for various radionuclides

Average values of measurements with 100 cm² substances

C-14	Ca. 14 %
F-18	Ca. 18 %
P-32	Ca. 25 %
S-35	Ca. 5 %
Cl-36	Ca. 42 %
K-40	Ca. 30 %
Co-57	Ca. 7 %
Co-60	Ca. 27 %
Sr-89	Ca. 27 %
Sr-90 / Y-90 (referred to Sr-90)	Ca. 42 %
Tc-99m	Ca. 3 %
In-111	Ca. 8 %
I-123	Ca. 7 %
I-125	Ca. 12 %
I-131	Ca. 21 %
Cs-137	Ca. 35 %
Au-198	Ca. 23 %
Tl-204	Ca. 43 %
Am-241 α	Ca. 22 %
P-238 α	Ca. 12 %
U-238 α	Ca. 26 %



Fig.: ABG170 (view from above and from below)



Fig.: ABG170 with holder and GammaTwin S