Region (Co.



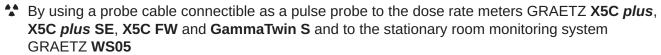
05-2022 Subject to change

Nal-Scintillation Probe 2002

with photo multiplier for detecting β - and γ -radiation

Product features

- High sensitivity
- Large detector surface
- Application fields:
 - nuclear medicine
 - environmental and scrap monitoring
 - security controls (police, customs, border authorities, factory inspectorates)



- By using a probe cable connectible as a pulse probe to the contamination monitor **CoMo-170**
- ♣ Power supply from the basic unit

| Technical Data | |
|--------------------------------|--|
| Type of radiation: | β, γ |
| Energy range: | β : > 100 keV y and X-Rays: 25 keV – 2 MeV |
| Detector: | 70 x 70 x 13 mm NaI (TI)-scintillator with photo multiplier |
| Reference orientation: | Vertical onto the square surface |
| Position of the detector: | Middle of the detector cap |
| Reference point: | Middle of the square surface |
| Background count rate*: | Approx. 135 cps |
| Range of relative humidity: | 0 up to 90%, no influence |
| Range of outside air pressure: | 600 up to 1300 hPa, influence negligible |
| Indication ranges: | 0 - 200 cps 200 - 2000 cps 2 - 20 kcps (20 kcps \approx 13 μ Sv/h referred to Cs ¹³⁷) |
| Temperature range: | Operation: -20°C up to +50°C Storage: -30°C up to +60°C (NOTE: max. temperature change 10°C/h) |
| Overload capacity: | Up to approx. 3 mSv/h (referred to Cs ¹³⁷) |
| After effect: | After exposure to radiation of 3 mSv/h, error after 20 minutes is approx. 5% |
| Voltage supply: | From the basic unit |
| Housing: | Aluminium, partly anodized, protection class IP65 (hose-proof) |
| Dimensions: | Approx. 80 x 85 x 35 mm with 200 mm handle (Ø 33 mm) |
| Weight: | Approx. 530 g |

Tel.: 03303 / 50 40 66

Fax.: 03303 / 50 40 68

^{*} at 0.1 µSv/h