

PRODUCT INFORMATION – CoMo-170D*

Make a smear test counter from your mobile contamination monitor CoMo-170

In daily practice of radiation protection, not only direct contamination monitoring with the mobile contamination monitor is required, but also the indirect contamination monitoring by means of taking a smear test sample, especially to find out if the contamination is sticking.

Thanks to the new smear test station (picture) you can create a comfortable smear test counter together with the CoMo-170.

Advantages:

- reproducible geometry of the smear test sample to the detector system
- for α - and β/γ - contamination measurements
- sample drawer prepared for 60 / 120 mm \varnothing sample plates and smear test swabs on carrying paper (max. 100 x 130 mm)
- automatic background measurements and subtraction
- definable measuring parameters (nuclide, detection surface, smear factor, measuring time, alarm threshold)
- as desired entry of a fixed measuring time or automatic measuring time calculation according to defined statistical error (%)
- integrated autocalibration routine, 8 definable nuclides
- power supply of the smear test counter via adapter, incl. charging of the rechargeable batteries in the CoMo
- data storage. Stored data can be printed or transferred to a PC-system for further processing
- simple operation with user guidance (text hints : e.g. No Contamination! Take out sample)
- low-budget solution



PRODUCT INFORMATION

2 functions – 1 measuring instrument!

Use your contamination monitor CoMo-170 also as a dose rate meter!

In daily practice of radiation protection, not only contamination monitoring but also dose rate measurement is required. The new contamination monitor CoMo-170 offers the combination for both measuring tasks in one instrument. In the front surface of the CoMo-170 (picture), a Geiger-Mueller counter tube is integrated additionally, so that you can measure both contamination and dose rate (e.g. in $\mu\text{Sv/h}$). An economical and practical solution!

Advantages:

- integrated GM-counter tube for dose rate measurement from 1 $\mu\text{Sv/h}$ till 20mSv/h
- new dose variable H* (10) according to German radiation protection ordinance
- energy range approx. 40keV – 1.3 MeV
- detector position indicated on front surface
- simple switch to dose rate measurement in quick menu
- automatic measuring value display in nSv/h - $\mu\text{Sv/h}$ or mSv/h, autoranging-operation
- digital and analogue measuring value display
- definable alarm threshold for dose rate measurement
- measuring values can be stored. Stored measuring data can be printed or transferred to a PC-system for further processing
- simple operation with user guidance
- economical solution – less than 50 % of the price for a separate dose rate meter



*manufactured by MED – Nuklear-Medizintechnik Dresden GmbH

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