CoMo 170 - 300

Alpha and Beta contamination monitor

CoMo is a contamination monitor. It can be used in industrial environment (for building sites) or in other fields like the medical environment.

The use of a innovating technology made it possible to reduce considerably the disadvantages due to the use of gas detectors.

Thanks to its reduced weight, its ergonomic form and with its simple use, CoMo is well adapted to a use on the field. It can also be used as stationary or mobile device.

Coupled to a wall support, it can be used as hand controller at the exit of a nuclear zone. The use of external probes also allows the measurements of gamma ambient dose rate.

Technical characteristics

- **Detector** : Plastic scintillator with ZnS layer
- **Detection surface** : 170 cm2 (CoMo 170) or 300 cm² (CoMo 300)
- **Display** : Cps, Bq, Bq/cm²
- **Weight** : 700 g for the CoMo 170 and 1.115 kg for the CoMo 300
- **Screen** : LCD, 128x64 pixels, illuminated
- **Power supply** : two 3V AA TYPE cells or rechargeable NiMH batteries
- **Library** : 20 radionuclides
- **Examples of average output for 100 cm² sources**:

14C	» 14 %
60Co	» 23 %
241Am (a)	» 22%
241Am (a, b)	» 40%
90Sr/90Y	» 50 %

- **Memory**: up to 750 values time-stamped with print function
- **Accessories**: wall support, floor control adapter, ABS transporting case

- **Thin plastic scintillation detector: no gas filling**
- **α et simultaneous contamination measurement**
- **Compact and ultra light**
- **Easy-to-use**
- **20 freely programmable nuclides library**
- **Automatic or manual setting of threshold**
- **$\beta\gamma$ Background surveillance and compensation**

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