

Hand-Foot-Clothes Monitor Mod. CMS60D and CMS60XD

TECHNICAL NOTES



Hand-Foot-Clothes monitor Mod. CMS60D and CMS60XD have been designed for detecting gamma and beta-emitters isotopes contamination on hands, feet, clothes, gloves and shoes.

CMS60D

5 Geiger Muller detectors

Type

5 G.M. with wide-surface front window (250 cm²)

Window thickness
Lower energy limit

- 14 mg/cm²
- 10 KeV for gamma
 - 150 KeV for beta

Statistic Error

± 15 %.

CMS60XD

4 RXD 1000T detectors + 1 RXD 270 detector (for clothes)

Type

Proportional detectors with Xe

Length
Depth
Height without electronics
Height with electronics

RXD 270	RXD 1000T
258 mm	394 mm
160 mm	24mm
24 mm	55 mm
270 mm ²	1000mm ²

Window

Titanium: 15 µm;
6.75 mg/cm²

Detector Body
Protection grid Transparency

Aluminium
80%

Display

12" LCD Monitor with indication of each measure channel

Running

- Automatic switch-off of detectors feeding
- Automatic measure cycle
- Operators database configuration
- Magnetic card reader (optional)
- Measure Archive (via Ethernet accessible)
- Automatic Background Measure
- Configurable alarms thresholds for each isotope
- All parameters configuration via Ethernet or serial port