

CONTAMINATION MONITOR CM-10



- **Detects Alpha(α), Beta(β) & Gamma(γ) Radiation**
- **Sensitive Pancake GM Tube Based Detector For Accurate Measurements**
- **User Selectable Alarm Threshold With Audio & Visual Alarms**
- **High Resolution Graphic LCD For Easy Readability**
- **Comfortable, Sturdy & Light Weight Handheld Detector**

The CM10 is a rugged, versatile and accurate instrument, designed to measure a wide range of radiation contamination. It is suitable for applications in the Nuclear, Foundry, Forging & Metal Industries. Its precise and sensitive measurements can also be used for Contamination detection during Engineering purpose, Procedures, Laboratory, Medical and Healthcare fields too.

The instrument features large, sensitive pancake based GM detector, mounted in a light weight, comfort-fit hand held enclosure, thus, enabling easy and precise measurements.

The CM10's sturdy, light weight, water resistant plastic body protects the instrument from ingress of dust particles and shock, making it ideal for demanding field applications.

SPECIFICATIONS:

Sensor	Pancake GM tube based detector
Probe Configuration	The detector is in an external cylindrical aluminum housing, connected to the main unit via a 1m cable. A removable cover is provided for beta detection
Radiation Detected	α , β , γ
Sensitivity	60 CPS/mR/hr
Measurement Units	CPS, CPM, mR/hr, μ Sv/hr
Measuring Ranges	0 – 6000 CPS 0 – 360000 CPM 0.001 – 100 mR/hr 0.01 – 1000 μ Sv/hr
Accuracy	$\pm 15\%$ with Cs ¹³⁷
Resolution	1 CPS, 1 CPM, 0.001 mR/hr, 0.01 μ Sv/hr
Alarm	- User selectable alarm threshold - Beeping audio (with counts) when reading < threshold - Continuous audio when reading > threshold - Blinking Backlight when reading > threshold
Display	High resolution graphic lcd (45.2 x 27 mm) with white backlight
Keypad	Tactile switches with a sealed membrane
Power	4 x 1.5V AA Alkaline batteries
Battery Life	> 60 hours
Device Enclosure	Water resistant plastic enclosure
Operating Temperature	0° C to 50° C
Size	80 x 125 x 36 mm
Weight	500 g with sensor

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