

Surface Contamination Monitor DCM - 200mP



- 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 TFT LCD For Easy Readability
- Comfortable, Sturdy & Light Weight Handheld Detector

SPECIFICATIONS

Detector Used	: Externally mounted Pan cake GM tube in Cylindrical Aluminum housing with 1mtr cable and Beta Blocker
Radiation Detection	: Alpha (α), Beta(β), Gamma(γ) and X-rays
Scintillation Window	: Effective Diameter 1.75" or 5.0 cm
Efficiency	: Better than 20% for Sr90, Better than 22% for Am-241
Energy Detection Range	: 50 KeV to 2 MeV
Display Units	: Bq, Bq/cm ²
Counting Range	: Dose Rate: 0 to 200 mR/hr Counts : 0 to 999999 Surface contamination : 0.01 to 99.99 Bq/cm ²
Display Update Rate	: 1 – 6 seconds
Display Resolution	: 0.01 mR/hr or 1 CPS / CPM
Dose Rate Linearity	: \pm 15%
Data Storage	: 60 hours of storage of Dose Rate with timestamp. (More than 1000 data points)
Alarms	: When Count rate exceed Alarm value, display color changed to red and RED LED, buzzer turned ON.
Overload	: Overload indication on LCD with audio alarm
Alarm Threshold	: User settable throughout Dose rate range
Digital Display	: 2.8 inch TFT LCD
Low Battery Indicator	: battery symbol blink on screen
Power Requirement	: Easily available 4 nos. AAA Size Alkaline Cells of 1.5 Volts
Battery Life	: Better than 60 Hrs
Operating Temperature Range	: -10° C to 70° C
Construction	: Molded ABS body
Total Instrument Weight	: 350 grams with Sensor
Dimension	: 76mm(W) x 27mm(H) x 135mm(D)
PC Interface	: Micro USB
PC Software	: Download stored dose, dose rate readings and generate detailed reports