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1	Imi Inspector Alert-V2 Surface Contamination/Radiation Monitor		4 Nos
2	Spare Halogen Quenched GM Tube Halogen quenched G.m tube compatible with imi Inspector Alert-V2		4 Nos
3	Spare 4 Digit LCD compatible with imi Inspector Alert-V2		2 Nos
4	Spare Electronic Cord For imi Inspector Alert-V2		2 Nos

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## "imi Inspector Alert-V2 Digital Surface Contamination/Radiation Monitor"

### Technical Specification of Inspector

Made by: International Medcom, USA

Detector: Halogen quenched G.M tube effective diameter 1.75" (45mm); Mica window density 1.5 to 2.0 mg/cm<sup>2</sup>.

Display: 4 digit LCD display including mode indicator.

#### Operating Ranges:

mR/h: 0.00 to 110.0  
CPM: 0 to 350000  
Total: 1 to 9999000 counts  
 $\mu$ Sv/h: 0.01 to 1100  
CPS: 0 to 7000

Gamma Sensitivity: 3500 CPM/mR/h ref to CS137 smallest detectable level I-125 is 0.02 mCi

Efficiency: For 4 Pi at contact is:

#### Isotope Energy efficiency:

##### Beta

C-14	49Kevavg	156KevMax	5.3%
Bi-210	49Kevavg	1.2MevMax	32%
Sr-90	546Kevavg	2.3Mevmax	38%
P-32	693Kevavg	1.7MevMax	33%

##### Alpha

Am-241	5.5Mev	18%
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#### Averaging Period:

Display update every three seconds showing average of the past 30 seconds time period at normal level.  
The averaging period decreases as the radiation level increases.

#### Timer:

Can set 1-10 min sampling periods in one minute increments, 10-50 sampling period in 10 minutes increments and 1-24 hours sampling periods in 1 hour increments.

#### Alert:

Beeper sound the alert

#### Accuracy:

mR/h  $\pm$  15% upto 50 mR/h  
 $\pm$  20% upto 100 mR/h  
CPM  $\pm$  50% upto 130000 CPM  
 $\pm$  20% for 130000 to 350000 CPM

Anti-saturation: Readout holds at full scale in field's upto 100 times the max reading.

Temp Range: -20°C to +50°C  
-4F to 122F

Power: 9v alkaline battery life is average 2160 hrs. at normal BKG, average 625 hrs. at 1 mR/h with beeper off.  
Size: 150×80×30mm (5.9"×3.2"×1.2")

Weight: 322gm including battery

Output: Dual mini jack for complementary metal oxide semiconductor (CMOS) or TTL logic  
Devices counts to PC or computer loggers

Input: Sub mini jack for electronic calibration.

User Manual: Operation, maintenance and calibration manuals in English.