IM-E

Personal Electronic Dosimeter

Overview

The IM-E personal electronic dosimeter is an advanced radiation safety device that continuously monitors X-ray and gamma radiation at the personal level, instantly informing the user about dose rate and cumulative dose. Due to compact design and durability compliant with military standards, it can be safely used in both industrial and defense applications.

The IM-E personal electronic dosimeter is capable of measuring and recording the instantaneous dose rate and cumulative dose received by personnel in radiation environments. In hazardous situations, it can alert the user to potential threats through audible, visual, and vibration warnings. The radiation performance tests of the IM-E measurement device are carried out in ISO/IEC 17025 accredited laboratories in accordance with the IEC 61526 standard.

Fields of Application

- CBRN (Chemical, Biological, Radiological, Nuclear) threat analysis and risk mapping
- Personal radiation safety in nuclear facilities
- Emergency response teams
- Defense industry personnel
- Industrial applications requiring dose control

Technical Specifications

IM-E Personal Electronic Dosimeter :

Feature	Value	Description
Detector	Geiger-Müller tube with energy compensation	
Radiation Type	X-ışını, gama	
Measured Parameters	Hp(10)	
Energy Range	30 keV- 3.0 MeV	For gamma radiation type
Dose Rate Range	0.1 µSv/h -1.0 Sv/h	For gamma and X-ray
Alarm Type	Visual, audible, vibration	
Communication Protocol	USB	
Operating Temperature	MIL-STD-810G*	
Humidity	MIL-STD-810G*	
EMC	MIL-STD-461G*	
Dimensions	9.3 cm x 6.7 cm x 3.2 cm	
Weight	125 gr	

Contact

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