

## **RPL Dosimeter Reader Mk II**

**Description:** The RPL Dosimeter and Reader Mark II enable the commander to assess the radiation doses received by different unit members under his command and incorporate this information into his overall planning, in the event of a Nuclear Explosion. The RPL Dosimeter is of wristwatch type and contains RPL glass and PIN diode for recording Gamma and Neutron radiation doses respectively. The reading of locket is accomplished by RPL Dosimeter Reader. The soldier on return from the field duty deposits the locket and measurement is done at a central point. This reduces the anxiety of an individual and the Commander could decide upon redeployment of an individual for field duty.

### **Salient Features:**

- Cost effective solution for monitoring all soldiers
- High speed passive sensors capable of measuring INR dose
- Capable of recording large total dose without saturation
- One reader reads all dosimeters in a unit
- 12 V battery operation for reader
- Meets environmental and EMI/EMC test standards for rugged military use.

**Application areas:** For measuring nuclear radiation (gamma & neutron) dose in a nuclear weapon scenario. Dosimetry of individual soldiers.

**USP such as Certifications and test results etc:** Introduced into Services after all qualification tests required for introduction