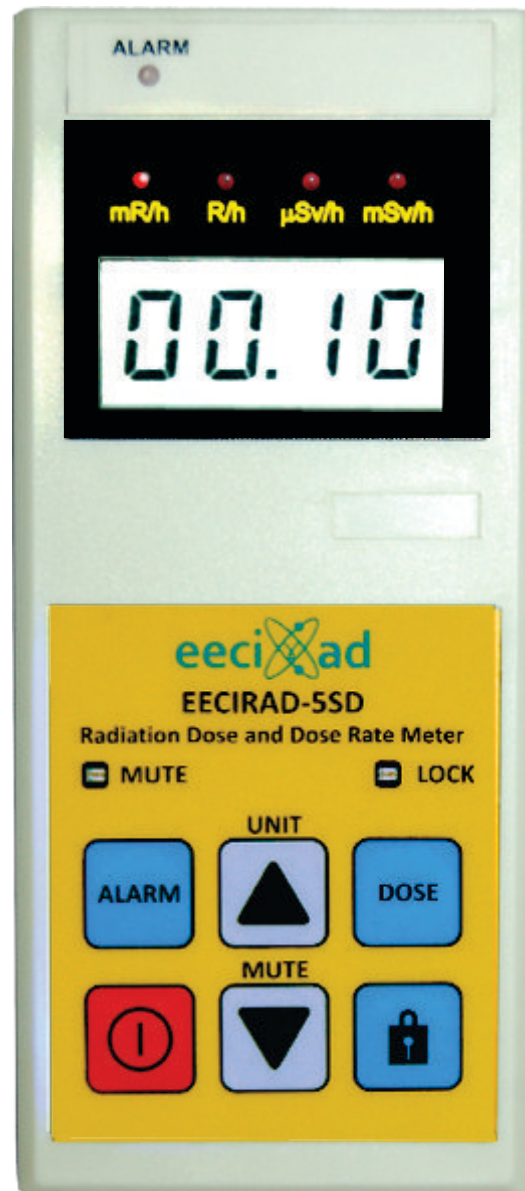


## DOSE & DOSE RATE SURVEY METER **EECIRAD-5SD**



- **Convenient, Rugged & Portable**
- **Measurement in  $\mu\text{Sv/hr}$  or  $\text{mR/hr}$**
- **High Battery Life Time**
- **Visual & Audible Alarms**
- **Large LCD Display**
- **Dose & Dose Rate Thresholds**

The EECIRAD-5SD is Digital Handheld Dose Rate Meter designed for a wide range of application involving detection & measurement of radiation levels. It's reliable performance & user friendly interface makes the EECIRAD-5SD perfectly suited to radiation survey in field condition for protection against radiological hazards. The devices are microprocessor controlled & have a easy-to-use menu structure, displayed on the LCD.

The instrument is suitable for use in Industrial Radiography, Nucleonic Gauging, Health Physics, Radio Chemistry, Nuclear Installations, Nuclear Research Center, Nuclear Power Station, Defense, Police, & Security Survey.

## SPECIFICATIONS:

<b>Sensor</b>	Shock proof mounted Halogen-quenched GM tube
<b>Radiation Detection</b>	Gamma( $\gamma$ )
<b>Energy Detection Range</b>	50 KeV to 2 MeV
<b>Energy Response</b>	$\pm 30\%$ 600 KeV to 1.3 MeV (Ref Cs-137)
<b>Dose Rate Linearity</b>	$\pm 15\%$ for 200 Kev to 1.3 MeV
<b>Angular Response</b>	$\pm 30\%$ , $\pm 120$ degree (Ref Cs-137)
<b>Minimum Radiation Detection</b>	0.1 mR/hr or 1.0 $\mu$ Sv/hr
<b>Maximum Radiation Detection</b>	5R/hr or 50mSv/hr
<b>Display Refresh Rate</b>	1 to 5 seconds (varies as per dose rate intensity)
<b>Display Resolution</b>	0.1 mR or 1 $\mu$ Sv
<b>Data Logging</b>	<ul style="list-style-type: none"><li>• Dose Rate recorded every 60 sec</li><li>• Cumulative dose</li></ul>
<b>Measurement Unit</b>	Roentgen/hr or Sievert/hr (User Selectable)
<b>Alarms</b>	<ul style="list-style-type: none"><li>• User selected, non-volatile alarm value</li><li>• Visual (LED) and Audio (Chirper)</li></ul>
<b>Digital Display</b>	4 Digit Seven Segment
<b>Power Requirement</b>	3 nos. AA Size Alkaline Cells
<b>Operating Temperature</b>	$-10^{\circ}$ to $50^{\circ}$
<b>Battery Life</b>	upto 180 Hrs
<b>Weight</b>	750 gms
<b>Dimension</b>	70mm x 160mm x 30mm