

## DOSE & DOSE RATE SURVEY METER **DSM- 5R**

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- **Small, Rugged and Lightweight Handheld Design**
- **Dose & Dose Rate Measurements**
- **PC Interface for Data Logging & Reporting**
- **Two Programmable Audio & Visual Alarms**
- **Choice of Bar Scale or Numeric Value Display**
- **Large Display With Backlight**

DSM-5R is a compact, multi featured Dose & Dose Rate Survey Meter capable of measuring radiation dose & dose rate. It is designed for wide range of radiation safety applications and successfully used by radiation control service personnel. The PC interface enable recording data upto 1000 readings. It is suitable for use in Industrial Radiography, Nuclear Industry, Emergency Response, Health Care, Security Application.

## SPECIFICATIONS:

<b>Sensor</b>	Shock-proof, halogen quenched GM tube
<b>Radiation Detected</b>	Gamma( $\gamma$ ), X-Ray
<b>Energy Detection Range</b>	50KeV to 2MeV
<b>Energy response</b>	$\pm 30\%$ 200 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 for Cs-137
<b>Minimum Radiation Detection</b>	0.1mR/hr or $1\mu\text{Sv/hr}$
<b>Maximum Radiation Detection</b>	5 R/hr or 50mSv/hr
<b>Measurement Unit</b>	Roentgen/hr or Sievert/hr
<b>Display</b>	High resolution graphic LCD with white back light
<b>Display Resolution</b>	0.1mR or 1mSv
<b>Alarm</b>	<ul style="list-style-type: none"> <li>• User selected, non-volatile alarm values for both dose and dose rate</li> <li>• Visual (blinking backlight) and Audio (beeper)</li> </ul>
<b>Connectivity</b>	USB 2.0 compliant
<b>EECOWIN Software</b>	<ul style="list-style-type: none"> <li>• Numerical and graphical view of recorded dose rates</li> <li>• View timestamp and values when dose or dose rate crosses the user selected thresholds</li> </ul>
<b>Data Logging</b>	<ul style="list-style-type: none"> <li>• Dose Rate recorded every 60 seconds</li> <li>• Threshold crossings are recorded</li> </ul>
<b>Power Requirement</b>	4 nos AAA Size Alkaline Cells
<b>Operating Temperature</b>	$-10^{\circ}$ to $50^{\circ}$ C
<b>Weight</b>	220 gms
<b>Dimension</b>	80mm x 125mm x 36mm