

## **SURVEY METER CUM DOSIMETER**

**PSDM162S**

### SALIENT FEATURES

- MICROCONTROLLER BASED • BACKLIT LCD DISPLAY • Dose upto 10R, 100mSV and • DOSE RATE UPTO 1 $\mu$ R/h to 500mR/h, 0.01 $\mu$ Sv/h to 5mSv/h • CAN BE OPERATED ON RECHARGEABLE BATTERIES • POCKET SIZE.



### TECHNICAL SPECIFICATIONS

<b>Radiation Detected</b>	: $\gamma$ (Gamma)
<b>Detector</b>	: GM tube
<b>Unit Menu</b>	: R/h, Sv/h
<b>Doserate Range</b>	: 1 $\mu$ R/h to 500mR/h, 0.01 $\mu$ Sv/h to 5mSv/h
<b>Dose Range</b>	: 1 $\mu$ R to 9.99R, 0.01 $\mu$ Sv to 99.9mSv
<b>Response Time</b>	: 3 seconds above 3mR/h (See Note 1)
<b>Time Constant</b>	: 20 Sec to 200 Sec (See Note 1)
<b>Accuracy</b>	: $\pm$ 15% (CS-137) above 1mR/h
<b>Display</b>	: 8 x 2 Character Backlit LCD
<b>Backlit ON/OFF button</b>	: Backlit can be turned ON/OFF to save power
<b>Chirp</b>	: Buzzer sound per count provided with enable / disable facility.
<b>Alarm</b>	: Audio & visual settable alarm
<b>User Interface</b>	: Menu driven with UP, RIGHT, ENTER buttons.
<b>EHT (factory set)</b>	: 500V DC approx.
<b>Battery</b>	: 2 Nos AA Size Alkaline dry cells (See Note 2)
<b>Size</b>	: 13.5cm x 7cm x 2.5cm approx.

Note

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1)

Sr No	Range	Response Time (Sec)	Time Constant (Sec)
1	0-60 $\mu$ R/h	20	200
2	60 $\mu$ R/h – 800 $\mu$ R/h	20	100
3	800 $\mu$ R/h – 3 mR/h	8	40
4	Above 3mR/h	3	20

Time constant is the time required to get the stable and complete reading.

Response time is the time required to attain 85% of final reading for more than 10 times change in reading

2) Two nos. 1.2V Rechargeable Batteries AA size can also be used.

Cat. No. PSDM162S/1018

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