eecirad

DSM-1T
Digital Survey Meter
Dose Rate & Dose Meter

- Rugged and compact design, thick rubber protective cover, Light weight
- 2 in 1 Survey Meter and Dosimeter
- Large TFT LCD with backlight for outdoor readability
- Internal memory to store 60 hours to continuous data measurements

APPLICATIONS

- Nuclear Power Industry
- Radiography
- Radiation Protection
- Environmental Survey / Health Physics Labs
- Civil / Defense
- Industrial

SCOPE

¨ DSM series are rugged and light weight instruments designed for quick and reliable gamma & X-ray doserate and dose measurement.

¨ It serves the functions of both Dose rate and Dose meter in single device. Separate alarm thresholds are available for Dose rate and Dose.

¨ Easy menu driven interface.

¨ Audible and visual alarm indication is given by Red LED and Buzzer.

¨ It saves data of Doserate and dose continuously with Date and Time stamp. Data can be viewed by PC Software through USB Communication.

SPECIFICATION

	DSM-1T
DETECTOR USED	Internally Mounted Thin wall Beta – Gamma GM tube
RADIATION DETECTION	beta, gamma and X-ray
ENERGY DETECTION RANGE	48 KeV to 3 MeV
DOSE RATE RANGE	0.01 mR/h to 1 R/h
	0.1 μSv/h to 10 mSv/h
	0.1 μGy/h to 10 mGy/h
DOSE RANGE	0.01 mR to 1000 R
DOSE RATE LINEARITY	± 15% with Co60
DISPLAY UNITS	R/h, Sv/h, Gy/h, rem, CPS, CPM
DISPLAY	2.8" Graphic TFT
ALARMS	User Configurable Audio and Visual Alarm through the entire range. OL - Over load OR - Over range DET - Detector Fail EHT - High Voltage Fail
DATA STORAGE	60 hours / 4000 data points of storage of Dose Rate with timestamp which can be read through PC Software and accumulated dose
OPERATION TIME	100 Hours
BATTERY	4 AAA batteries (Alkaline or Rechargable)
OPERATING TEMPERATURE	-10^{0}C to 50^{0}C
CONSTRUCTION	ABS Plastic
WEIGHT	235 gm with batteries
DIMENSION	76 mm x 27 mm x 135 mm
COMMUNICATION	Micro USB
PC SOFTWARE	RadMan PC Software
STANDARD ACCESSORIES	Silicone Cover
	Carry Case
	USB Cable for PC communication
	4xAAA Alkaline Batteries
	USB Pendrive for PC communication with user manual
	RadMan PC Software License
	Wrist Strap
ORDER CODE	VNIM0021

OPTIONAL ACCESSORIES

Optional Accessories	Order Code
Shock-Proof Silicone Case for Survey meter	VNIA0095
4 x AAA Rechargable Battery + Charger	VNIA0098
Extended Warranty for 2 Years	VNF2A014