



DSM

Digital Survey Meter
Dose Rate & Dose Meter



SALIENT FEATURES

- ◆ 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 dose rate 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 Dose rate and dose continuously with Date and Time stamp. Data can be viewed by PC Software through USB Communication.

SPECIFICATION

| | DSM - 1 | DSM - 10i |
|------------------------|---|---------------------------|
| ORDER CODES | VNIM0055 | VNIM0016 |
| GeM ID | 5116877-51193423831 | 5116877-72889202125 |
| DETECTOR USED | Internally Mounted Energy Compensated GM Tube | |
| RADIATION DETECTION | gamma & X-ray | |
| ENERGY DETECTION RANGE | 48 KeV to 3 MeV | |
| DOSE RATE RANGE | 0.01 mR/h to 1 R/h | 0.1 mR/h to 10 R/h |
| | 0.1 μ Sv/h to 10 mSv/h | 1 μ Sv/h to 100 mSv/h |
| | 0.1 μ Gy/h to 10 mGy/h | 1 μ Gy/h to 100 mGy/h |
| DOSE RANGE | 0.01 mR to 1000 R | |
| DOSE RATE LINEARITY | \pm 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 Rechargeable) | |
| OPERATING TEMPERATURE | -10°C to 50°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 | |

OPTIONAL ACCESSORIES

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