



DIGITAL DOSE RATE METER

NDF PRODUCTS



Features:

- ***Detector:** GM- LND7121
- ***Detection type of radiation:** Gamma, X
Gamma and X-rays: (48 keV- 1.3 MeV)
- ***Gamma Sensitivity (Approx.):** 1080 CPM @10μSv/h
- ***Dose Rate Range:** 0.01μSv/h - 9.99 mSv/h
- ***Dose Range:** 0.00μSv-10 Sv
- ***Functions Menu (Function modes):** Dose Rate, Dose, CPS, Dose-Time, Reset, Dose Rate Average
- ***Preset alarm thresholds and parameters:**
Freely Programmable via hidden menu/interface software (Geiger view)
- ***Data PC Port:** USB for Presetting parameters & Real time monitoring and downloading logged data to Geiger-View program.
- ***Geiger-View Software Features (PC Interface):**
 - Real time monitoring (CPS, CPM, Total pulse, Dose, Dose Rate, Exposure time)
 - Drawing curves Dose Rate and CPM real time in different style
 - Possibility to save the drawn curves into Graphic formats
 - Possibility to save the acquired data in spreadsheet formats
 - Define the alarm levels for CPM & Rate on the software
 - Retrieve the Logged Data from instrument 's built- in memory.
 - Possibility to draw the curve of retrieved logged data or save into spreadsheet formats on the PC.
 - freely preset all alarm threshold levels for Dose Rate, Dose, CPS as well as averaging time on the device



- Linearity:** UP to 2 mSv/h - max. $\pm 10\%$,
- Averaging Time (At Average Dose Rate Mode):** 10 - 3600 Seconds (Step 10 Sec)
- Response Time (Approx.):** 4sec (<20μSv/h) & 2sec (>100μSv/h)
- Display:** 4-digit LCD auto-ranging display with special indicators.
- LCD Backlight:** Yes
- Display Ranges:**
 - Dose Rate : 0.01 μSv/h to 9.99 mSv/h
 - Dose : 0.01 μSv to 9999 mSv
 - CPS: 0 to Max Integer Value (corresponding to Max Dose Rate Range)
 - Dose Time Span: Up to 200 Hours (HH:MM)
 - Dose Rate Average: 0.001 μSv/h to 9999 μSv/h
- Alarm Types:** Visual (LED as well as Indicator on LCD) & Sonic (Beeper)
- Factory Alarm Settings (Preset on the Firmware):**
 - Dose Alarm : 1 threshold level for incremental dose
 - 1 threshold level for Full dose
 - Dose Rate Alarm: 4 threshold levels
 - Counts/Second Alarm: 1 threshold level for CPS Mode
- Reset Function:** Software (Via system Menu) and Hardware (Via Embedded push button on the PCB, inside the case)
- Built In Memory:** Nonvolatile. (Retains data including accumulated dose and dose time, Alarm status, Logged points data and rest of the system parameters even without the batteries.)
- Adjustable Calibration Factor Range :** $\pm 30\%$ (Via embedded push button on the PCB, inside the case)
- Push Button Functions:**
 - Power ON/OFF (Front Panel): Turns the instrument on/off
 - Menu (Front Panel): Change the operation mode
 - Alarm (Front Panel): Turn the Sonic alarm on/off
 - Log (Front Panel): Register current data on embedded memory (Dose Rate, Dose, Dose Time, Alarm status,...)
 - LCD Backlight (Front Panel): Turn the backlight on
 - Reset (Inside the case): Make reset the registered operation parameters (accessible via the small hole on the behind)
 - Calibration Factor Adjustment (Inside the case) : Adjust Factory preset of calibration factory (embedded on the PCB)
 - Hidden Menu for alarm Setting: Yes
- Data logging Method:** Manually
- Memory capacity of data Logger:** 500 points
- Low Battery Detection:** Indicator on LCD Panel
- Power Supply:** 2 X 1.5 Volts AA size (Alkaline battery) or 2 X 1.2 Volts (Rechargeable battery)
- Company Support:** 1 Year Warranty-10 years After sales service