

## DIGITAL DOSE RATE METER

NDF PRODUCTS



## Features:

- \***Detector:**GM- LND712
- \***Detection type of radiation:**Alpha, Gamma, X and Beta
  - Alpha: Down to 2.5 MeV , Beta: Down to 50 keV,
  - Gamma and X-rays: Down to 10 keV typical through the end window, 40 keV through the case
- \***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. ±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 :** ±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