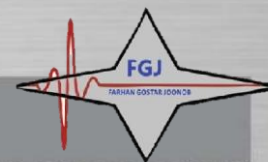


CROCKS U13

## DIGITAL DOSE RATE METER



NDF PRODUCTS



**Linearity:** 0 - 20 mSv/h

**Averaging Time (At Average Dose Rate Mode):**  
10 - 3600 Seconds (Step 10 Sec)

**Response Time (Approx.):**  
6sec (<50 $\mu$ Sv/h) & 2sec (>250 $\mu$ Sv/h)

**Display:** 4-digit LCD auto-ranging display with special indicators.

**LCD Backlight:** Yes

**Display Ranges:**

Dose Rate : 0.01  $\mu$ Sv/h to 49.99 mSv/h

Dose : 0.01  $\mu$ Sv 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  $\mu$ Sv/h to 49.99 mSv/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

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

## Features:



\***Detector:** GM- LND713

\***Detection type of radiation:** Gamma, X and Beta  
For X &  $\gamma$  (40 keV- 1.5 MeV), For  $\beta$  (>0.25 MeV)

\***Gamma Sensitivity (Approx. ):** 450 CPM @10 $\mu$ Sv/h

\***Dose Rate Range:** 0.01 $\mu$ Sv/h - 49.9 mSv/h

\***Dose Range:** 0.00 $\mu$ Sv-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

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