

Model PAG-3 – Area Gamma Monitor (EMI/EMC Compliant)



Area Gamma Monitor, Model PAG3 operates on 230VAC, 50Hz mains supply. Purpose of this instrument is to measure and display the Gamma radiation activity of the surroundings. This instrument has internal GM tube which is capable of measuring gamma activity upto 1000 mR. Instrument has 7 segment LED displays (2" or 50 mm size) for dose rate indication in mR/Hr. For remote monitoring purpose, 4-20 mA output is available. The unit is suitable for continuous operation and useful for Health Physics applications in Radioisotope Laboratories, Nuclear Power Plants and nuclear medical centres.

Specifications

Detector Probe	: Halogen quenched GM Tube selected as per dose rate range needed
Ranges	: 0 – 1000 mR/Hr
Accuracy	: $\pm 20\%$ of Range
Energy Range	: 100 KeV to 2 MeV
Response Time (sec)	: not more than 5 Secs
High Voltage	: 0 to + 1200 Volts at 100 uA adjustable through 10 turn helipot with calibrated dial available on sub panel
Controls	: Available on sub panel internally mounted & access after opening the hinged front door.
Display	: 16 x 2 Line display for Dose Rate Indication available on sub panel ½" or 2" 7 Segment LED for Dose Rate Indication on front panel
Output	: 4-20 mA output is provided
Alarm	: Alarm adjustable throughout the range through LCD and Keypad
Alarm Indication	: Red flasher and buzzer to indicate alarm condition
Indications	: Low battery, Detector failure audio & display indications
Power Supply	: 230VAC $\pm 10\%$, 50Hz, Power On indication on front panel
Operating Conditions	: Temperature - 5° C to 45° C Relative Humidity < 50% (50 to 95% Occasional)
EMI /EMC Compliance	: IEC 61000-4-3, 61000-4-4, 61000-4-5, 61000-4-6

Due to continuous R&D, specifications are likely to change without notice

Manufactured By :

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