



AGM

Area Gamma Monitor



- ◆ Sturdy and compact, Wall mounted or bench top with optional battery backup
- ◆ Large LED Display viewable from Long distance
- ◆ Local alarm annunciation with lamp indication and alarm acknowledgment
- ◆ Current output with respect to Doserate, Alarm and Power failure Relays with Alarm acknowledgment for Remote operation

APPLICATIONS

- ◆ Radiography
- ◆ Health-care and Irradiation facilities
- ◆ Nuclear Power Industry
- ◆ Industrial Units

SCOPE

- ◆ Area Radiation Monitor, Model AGM -1 and AGM -R1 are microcontroller based, rugged, compact instrument.
- ◆ Main function of AGM is to display radiation levels of environment or field to caution radiation workers with audible and visual alarm when alarm situation arises.
- ◆ It has Lamp and hooter for local alarm indication and Relays and alarm acknowledgment for Remote with current output with respect to dose rate
- ◆ Alarm can be set through out the measuring range

SPECIFICATION

	AGM - 1	AGM - R1	AGM - 100m	AGM - R100m
GeM ID	5116877-49824334191			
DETECTOR USED	Internally Mounted Energy Compensated GM Tube	Externally Connected Energy Compensated GM Tube with 10 meter cable	Internally Mounted Energy Compensated GM Tube	Externally Connected Energy Compensated GM Tube with 10 meter cable
RADIATION DETECTION	gamma & X-ray			
ENERGY DETECTION RANGE	48 KeV to 3 MeV			
DOSE RATE RANGE	0.01 mR/h to 1000 mR/h		0.01 mR/h to 100.0 mR/h	
	0.1 μ Sv/h to 9999 μ Sv/h		0.1 μ Sv/h to 999.9 μ Sv/h	
DOSE RATE LINEARITY	\pm 15% with Co60			
DISPLAY UNITS	mR/h and μ Sv/h			
UNIT INDICATOR	Two Red LED's for Unit Selection			
RESPONSE TIME	Auto: 1 to 30 seconds as per dose rate Abrupt Detection: within 1 second			
DISPLAY	4 Digit 7 Segment LED Display			
ALARMS	Green Lamp for Normal Red Lamp and Hooter for Alarm condition ACK and RST push buttons for Alarm Acknowledgment and Reset. OL - Over load OR - Over range DET - Detector Fail EHT - High Voltage Fail			
OUTPUTS	Two changeover Potential free Relay contacts (230VAC, 3 A) for Radiation alarm and Power failure Alarm operating in Fail safe mode. 4-20mA current output equivalent to Dose-rate Range. Remote ACK and RST Contacts.			
POWER SUPPLY	AC 110 to 230VAC, 50-60Hz			
CONSTRUCTION	Rugged, powder coated MS Chassis, Wall Mounting or Table Top			
WEIGHT	1.8 Kg	2 Kg with external sensor	1.8 Kg	2 Kg with external sensor
DIMENSION	200 mm x 186 mm x 80 mm			
STANDARD ACCESSORIES		External Probe		External Probe
		10m cable		10m cable
		wall mount clamp for external Probe		wall mount clamp for external Probe
		User Manual and Connection Guide		
	Mains cable			
ORDER CODE	VNIM0042	VNIM0047	VNIM0061	VNIM0062

OPTIONAL ACCESSORIES

Optional Accessories	Product Code
Lead Acid battery for power failure 8 hour backup	VNIA0100
External Siren and Tower Lamp	VNIA0101
Large External Digital Display	VNIA0102
Magnetic Door lock for enclosure	VNIA0103
Extended Warranty for 2 Years	VNF2A014