



# 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
<b>GeM ID</b>	5116877-49824334191			
<b>DETECTOR USED</b>	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
<b>RADIATION DETECTION</b>	gamma & X-ray			
<b>ENERGY DETECTION RANGE</b>	48 KeV to 3 MeV			
<b>DOSE RATE RANGE</b>	0.01 mR/h to 1000 mR/h		0.01 mR/h to 100.0 mR/h	
	0.1 µSv/h to 9999 µSv/h		0.1 µSv/h to 999.9 µSv/h	
<b>DOSE RATE LINEARITY</b>	± 15% with Co60			
<b>DISPLAY UNITS</b>	mR/h and µSv/h			
<b>UNIT INDICATOR</b>	Two Red LED's for Unit Selection			
<b>RESPONSE TIME</b>	Auto: 1 to 30 seconds as per dose rate Abrupt Detection: within 1 second			
<b>DISPLAY</b>	4 Digit 7 Segment LED Display			
<b>ALARMS</b>	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			
<b>OUTPUTS</b>	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.			
<b>POWER SUPPLY</b>	AC 110 to 230VAC, 50-60Hz			
<b>CONSTRUCTION</b>	Rugged, powder coated MS Chassis, Wall Mounting or Table Top			
<b>WEIGHT</b>	1.8 Kg	2 Kg with external sensor	1.8 Kg	2 Kg with external sensor
<b>DIMENSION</b>	200 mm x 186 mm x 80 mm			
<b>STANDARD ACCESSORIES</b>		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		
<b>ORDER CODE</b>	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