



VF NUCLEAR



NUCLEAR POWER PLANTS



WASTE MANAGEMENT



CALIBRATION LABORATORIES



RESEARCH CENTRES



INDUSTRY & MANUFACTURING



NUCLEAR MEDICINE

AGM-03

AREA GAMMA MONITOR



MAIN ADVANTAGES

- Compact monitor with integrated backlit display
- Two adjustable alarm levels with optical and audible indication when the thresholds have been exceeded
- Local archive of values for at least 180 days
- Relay outputs for alarm lights and data connection to a host system
- Outdoor and indoor use

PURPOSE

AGM-03 is designed to measure gamma dose equivalent rate (PDE).

It can be used as part of a larger monitoring system with centralized remote data display, or as an autonomous monitor that archives and displays data locally at the point of measurement.

The AGM-03 uses a Geiger-Muller tube as the radiation detector, and includes the necessary signal processing electronics, a case with RGB backlit display, and control and signal elements.

The measured value of dose equivalent rate is compared with two adjustable alarm levels. Exceeding an alarm level triggers an audible alarm, plus indication on the display. The LCD backlight changes the colour of the backlight depending on the status of the measuring channels (exceeding the alarm levels).

Measured values and monitor status are displayed on the local display and can be simultaneously transferred to a host system via the Ethernet interface (RJ-45 connector).

The monitor can be optionally equipped with an RS-485 interface with relay outputs.

SPECIFICATION

Quantity	Dose equivalent rate
Detector type	Geiger-Müller tube
Measuring range	from 5E-8 to 2.5E-1 Sv/h
Energy range	35 keV to 2 MeV
Dimensions (W × H × D)	160 × 258 × 50 mm
Weight	0.6 kg
Power supply	PoE +48 V (IEEE 802.3af) (optionally +12/24 V)
Temperature range	from -20 to +50 °C
Humidity range	max. 95% non-condensing

OPTIONAL FEATURES

N/A	RS-485 interface with relay outputs and +12/24 V power supply
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OPTIONAL ACCESSORIES

1-0214-00165	Stabilized adapter (injector) for +48V PoE power supply
50-A-0017213	Wall-mount holder for easy mounting and dismounting

AGM-03 AREA GAMMA MONITOR

RELATED PRODUCTS

RDU-02	Radiation Display Unit for 4 measuring channels
RDU-22	Radiation Display Unit for 16 measuring channels
ASU-50	Alarm Slave Unit
RMS	Radiation Monitoring System
MDG-04, MDG-08e	Smart Dose Rate Meters
MDN-01	Neutron Dose Rate Meter



AGM-03, exceeding first alarm level



ASU-50 Alarm Slave Unit



AGM-03 with an optional RS-485 interface and relay outputs



RDU-02 with integrated signal tower