

WIDE RANGE GAMMA AREA MONITOR

Model – RAM-55

FEATURES:

- GAMMA DETECTION
- REAL-TIME MONITORING
- COMPUTER DISPLAY SCREEN
- MICROPROCESSOR BASED DATA MEASUREMENT AND DISPLAY
- WALL MOUNT
- SINGLE CHANNEL
- P-55 CONSISTS OF DUAL GM DETECTORS: (1) LOW RANGE (1) HIGH RANGE IN ONE UNIT
- **OPTIONAL:** ENERGY COMPENSATED PROBE
- **OPTIONAL:** INTERNALLY MOUNTED PROBE
- LOCAL MONITORING AND DISPLAY
- USER SETTABLE – ISOLATED ALARM
- USB
- DATA ARCHIVE AND RETRIEVAL
- **OPTIONAL:** DOSE RATE RANGE
- **OPTIONAL:**ETHERNET
- **OPTIONAL:** INTERNAL STAND-BY BATTERY POWER
- **OPTIONAL REMOTE:** ALARM, ACKNOWLEDGE, RESET



RAM-55 ELECTRONICS



RAM-55 OPTIONAL
INTERNALLY
MOUNTED PROBE

APPLICATION:

Area monitors for use in and around nuclear reactors, hot cells, irradiators and other facilities handling radioactive materials.

DESCRIPTION:

- The RAM-55 incorporates a digital alarm ratemeter, power supply, alarm, amplifier, choice of rack or case, and 2 reliable GM detectors.
- GM detectors and circuit design prevent the system readings from falling even in very high fields.
- Front panel controls allow the alarm set point to be displayed.
- Alarm activation produces flashing red light on front panel.
- **OPTIONAL** beacon, piercing intermittent 2000Hz tone, mutable.
- **OPTIONAL** relay is also closed (or opened) relay for activation of remote alarms.
- **OPTIONAL** Internal stand-by battery power; remote alarm



TECHNICAL ASSOCIATES

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DIVISION OF



OTCQB-UCL

WIDE RANGE GAMMA AREA MONITOR

Model – RAM-55

SPECIFICATIONS:

Range:	6-decade dynamic range 0.015 mR/hr to 10,000 mR/hr Optional dose rate range
Detector:	The P-55 probe is 7" long and ½" in diameter. It contains two GM tubes for high and low range measurements of the ambient gamma radiation field. The low range GM tube is near the tip, and the high range GM tube is near the cable connection. Supplied with 15 ft. cable
Response Time:	1-30 Seconds as per dose rate
Energy Dependence:	20% from 100KeV to 1.2 MeV.
Temperature:	Operating range between 32° F – 120° F (0° C and 50° C)
Relative humidity;	0-95% humidity non-condensing.

WEIGHT & DIMENSIONS:

Size:	15" x 11" x 4" (38 cm x 27.9 cm x 10 cm)
Weight	9 lbs (4 kg)

ELECTRONICS: MICROPROCESSOR BASED DATA MEASUREMENT AND DISPLAY

Engineering Units:	User programmable.
Data Output:	USB, OPTIONAL: Ethernet RS-232
Display:	LED computer screen
Front Panel Controls:	Alarm, Power On-Off, Mute, Lights
Alarms:	Alarm level is adjustable over entire range. Alarm indicators include, flashing red light, and beeper. OPTIONAL beacon
Power:	120 V, 60 Hz.
Temperature:	Operating range between 32° F – 120° F (0° C and 50° C)
Relative humidity;	0-95% humidity non-condensing.
Options:	Battery Backup and Charger, Bench top model

OPTIONS:

- Energy Compensated Probe
- Internally Mounted Probe
- Dose Rate Range
- Ethernet
- Internal Stand-By Battery Power
- Remote Alarm
- Remote Acknowledgment and Reset
- Additional Display Notifications: Over Load, Over Range, Detector Fail, High Voltage Fail
- 4-20mA Current Output Equivalent To Dose-Rate Range
- Abrupt Detection: 1 second



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