

## The DRM-3000 Monitor

Radiation Detection Division

Health Physics



The DRM-3000 Monitor is the latest innovative instrument designed to provide the best possible user experience in Area Monitoring today. The DRM-3000 supports three external detectors and one internal detector, with automatic identification from a wide range of external detectors up to 100 meters distant to the Monitor, Either Wall or Tabletop mounted, the DRM-3000 can be powered directly from any AC source or Powered through POE. Radiation Data is sent from the DRM-3000 through any wireless medium or Ethernet cable. Color Coded background changes according to the radiation level, providing an excellent visual indication of the radiological conditions.

The DRM-3000 supports a wide range of external detectors



### Features

- IP-65, Hardened, High Impact Plastic Casing
- Supports 1 internal and 3 external detectors
- Auto recognition of ALL Rotem, and other detectors
- Wall or Tabletop mounted
- Large 7" HD Graphic Display with Status icons
- Background Color on Display reflects dose rate according to thresholds
- Multicolored LED provides visual reference to threshold levels
- Internal and optional High Volume buzzers
- Up to 100 yards cable between Detector and Meter
- Powered by external Power 110VAC, POE or Internal Battery (24 hours)
- Contains a dry contact solenoid to activate external devices
- Accepts any 4-20mA input from external devices
- Advanced communication: TCP/IP, RS-485, Wi-Fi, Xbee...
- Setup/Diagnostics via RMVC software
- Saves up to 1 months data internally
- Direct connection to Computer or network via standard Ethernet cable

## Technical Data

	Dimensions	L x W x H): 9" x 3" x 10" 230 x 76 x 252 mm	Weight: 3.75 lb's 1.7 Kg
	Environmental:	Weather proof IP-65, CE Certified	
<b>Electronics</b>	Display:	7 inch HD Display	
	CPU Mainboard ARM Cortex®-A7 core i.MX 6UltraLite (NXP)	GUI and communication Firmware: Linux embedded Updates available via TCP/IP	
	CPU Detectors ARM® 32-bit Cortex®-M3 CPU	Interface between Instrument and external Detectors Updates available via TCP/IP	
	Internal Detector	Wide range GM tube based	
<b>Backup Battery</b>	Capacity	24 hours at battery routine	
	Charging Time	5 hrs	
<b>I/O</b>	3 x External Detectors	Serial (RS-485) or Digital pulse or Analogue pulse	
	AUX connector D-Type 26 pin	RS-485 and 4-20 mA and External Power 24V and optional light tower and Dry contact	
	RJ-45	Ethernet Cable	
	Dry Contact Solenoid		
<b>Alert indicators</b>	High Volume Buzzer (optional)	100 dB at 30 cm	
	Multicolored LED	Colors: White, Green, Yellow, Red, Purple, Blue and Turquoise	
<b>Telemetry Protocol</b>	WRM2	Single package x 4	

ROTEM INDUSTRIES reserves the right to change specifications without advance notice

## Supported Detectors

	Description	Measuring Range
	Wide Range Gamma	0.01 mR/h to 1,000 R/h
	High Range Gamma	0.01 mR/h to 10,000 R/h
	Low Range Gamma	0.01 mR/h to 4 R/h
	AMP-300 Gamma	0.1 R/h to 30,000 R/h
	AMP-200 Gamma	1 R/h to 15,000 R/h
	AMP-100 Gamma	5 mR/h to 1,000 R/h
	AMP-50 Gamma	10 uR/h to 4 R/h
	Ludlum 42-30 Neutron	0 to 10,000 mrem/h
	Ludlum Prescila Neutron	Thermal to 100 MeV Neutrons
	IC-10 Ion Chamber	0.1 mR/h to 25 R/h
	GM-10 Low Energy Gamma	0 to 42,000 CPS

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