

GM RADY 7

RADIATION AREA MONITOR



- › User Friendly 7" Touch Screen.
- › Dose Rate in ($\mu\text{Sv/h}$, mR/h, cps, special units).
- › Equivalent dose at 1 meter.
- › DUAL Geiger Müller Channels:
Equipped with up to 2 Geiger Müller Detectors.
- › Measuring Range: 0.1 $\mu\text{Sv/h}$ - 20 mSv/h.
- › Multiple "Flush" Wall Mount options that allow for concealment of all connecting cables.
- › Applications:
Nuclear Medicine · Radio-Metabolic Treatments ·
Radiotherapy · Proton Beam Therapy · Brachytherapy ·
Radiation Waste Management · Industry

GM RADY 7



Features

- > Energy Compensated Geiger Muller Detector.
- > DUAL Geiger Müller Channels: Equipped with up to 2 Geiger Müller Detectors.
- > Dose Rate in ($\mu\text{Sv/h}$, mR/h).
- > Measuring Range: $0.1\mu\text{ Sv/h}$ - 20 mSv/h .
- > Type of Radiation: Gamma & X-Ray.
- > Wall Mounted.
- > User friendly 7" Touch Screen.
- > Two programmable threshold levels.
- > Password Protected.
- > Record of measurements and access to Historical Data.
- > Ethernet & Wireless Connectivity.
- > MODBUS TCP/IP protocol compliant.
- > CE Mark and UL Mark.

Specifications

- > External Power Supply: AC 110/240V 50/60Hz
- > GM Rady Power Supply: DC 12V/0.7A
- > Battery Back-Up: 8 hours of battery life.
- > Operating temperature: 0° to 40°C .
- > Case made of ABS.
- > Dimensions (WxHxL): 220x145x50mm.
- > Weight: 800g.

Traceable Calibration Certificate

All TRF Radiation Detectors are tested against in-house Reference Sources and are delivered with a Calibration Certificate.

Options

- > DUAL GM: Additional Geiger Müller Probe.
- > **Installation Options:**
 - > Wall Mounted with cable connectors at the base of the display.
 - > Wall Mounted with cable connectors hidden behind the display. (No cable connectors are visible.)
 - > Wall Mounted FLUSH to the wall surface and framed with plexiglass. (No cable connectors are visible.)



- > External Probe: Maximum Cable Length 100m.
- > **Additional Inputs / Outputs:**
 - > 4 x (4-20mA/0-10V) Analog inputs to measure parameters, such as: Temperature, Humidity, Pressure, Air Flow and Level Sensor.
 - > 2 Digital inputs (dry contacts).
 - > 2 x 2A Relay Digital Outputs.
- > All Weather Capability: Weatherproof IP65 sealed housing for operation in all weather conditions.

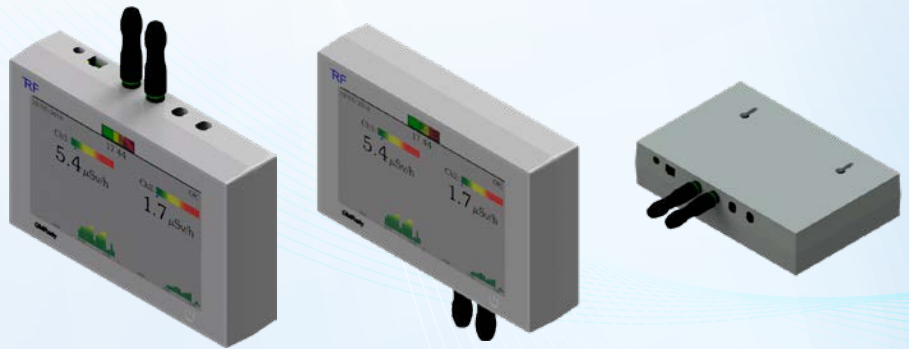


GM Rady External Architecture

TRF GM Rady Wall Mounted External wiring. - 180° Rotable

Wall Mounted with cable connectors at the base or at the top of the display.

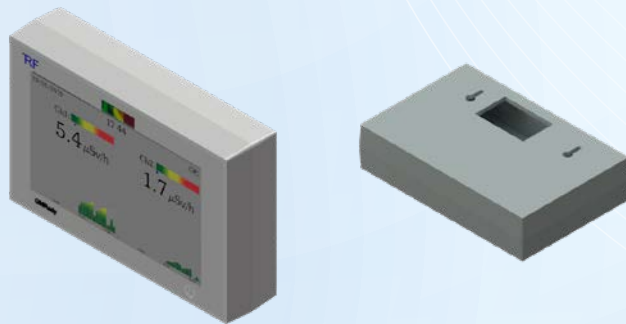
- > Ext. dimensions (WxHxL): 220x145x50 mm.
- > Ext. dimensions with connectors (WxHxL): 220x200x50 mm.



TRF GM Rady Wall Mounted Rear Wiring Input

Wall Mounted with cable connectors hidden behind the display, (no cable connectors are visible).

- > Ext. dimensions (WxHxL): 220x145x50 mm



TRF GM Rady Wall Mounted Flush Version

Wall Mounted flush to the wall surface and framed with plexiglass, (no cable connectors are visible).

- > Ext. dimensions (WxHxL): 310x235x50 mm



TRF GM Rady External Probe Geiger Müller External Probe

- > Ext. dimensions (WxHxL): 91x55x40 mm



Rady Link

The RadyLink device allows wireless connectivity between the GM RADY Area Monitor and a PC.



RadyNetWeb

The TRF RadyNetWeb allows the user to monitor the measurements for an unlimited number of GM Rady radiation detector probes that are linked to the RadyNet Software that has been installed on a PC with an internet connection. Measurements can also be monitored from a mobile device or an external device with an internet connection.



RadyNet Options

Rady Vision

There is the option to link the GM Rady with a Surveillance Camera. This will allow for monitoring of the radiation dose as well as monitoring a real-time image.

Rady Waste

The GM Rady has the ability to link with Radiation Waste Management Systems [TRF Decay Tank Systems] to determine the activity [Bq] and activity concentration [Bq/L] contained in the Decay Tanks, and also to guarantee that the activity [Bq] released to the sewer system does not exceed the permissible limits.

Rady Net Software

The RadyNet software license allows for remote management of all GM Rady devices including operational settings, GM Rady Power On / Off and mute controls.

Monitor / Display Features:

- > The RadyNet software allows for the display of measurement data from an unlimited number of GM Rady detector probes in a matrix format.
- > The RadyNet software can display a record of Dose Rate measurements for a pre-set period and will allow access to historical data.
- > Audible alarms and external outputs can be set for user defined threshold levels.
- > Accumulated dose can be measured over a user defined period.

Configuration Options:

- > Dose Rate threshold levels.
- > Channel name.
- > Date & Time.

The RadyNet software can be configured and customized for a facility and can display the following:

- > Graphical depiction of the facility showing the radiation dose rate in all locations where GM Rady Probes have been installed.
- > The Dose Rate at 1 meter from the radiation source.



Related products

GM RADY References		
Ref:	Device	Description
GMR7Z21N	GM Rady 1 internal probe	GM Rady with one internal probe and ethernet connection
GMR7Z21W	GM Rady 1 internal probe	GM Rady with one internal probe and wireless connection
GMR7Z02N/GSHZ2	GM Rady with 1 external probe	GM Rady with 1 external probe, 10mt of cable and ethernet connection
GMR7Z02W/GSHZ2	GM Rady with 1 external probe	GM Rady with 1 external probe, 10mt of cable and wireless connection
GMR7Z21N/GSHZ2	GM Rady 1 internal probe and 1 external probe	GM Rady with one internal probe, one external probe with 10 mt of cable, and ethernet connection
GMR7Z21W/GSHZ2	GM Rady 1 internal probe and 1 external probe	GM Rady with one internal probe, one external probe with 10 mt of cable, and wireless connection
GMR7Z02N/2xGSHZ2	GM Rady 2 external probe	GM Rady with two external probes with 10 mt of cable, and ethernet connection
GMR7Z02W/2xGSHZ2	GM Rady 2 external probe	GM Rady with two external probes with 10 mt of cable, and wireless connection
RL	Rady Link	Wireless connection device
RadyNet	Rady Net	Software License
Radynet WS	Radynet WS	Radynet Workstation: 20" AlinOne PC with one Radynet License
TRF-CAL 1	TRF-CAL 1	TRF Calibration (1 probe)
TRF-CAL2	TRF-CAL2	TRF Calibration (2 probes)
Options and accessories of GM RADY		
Ref:	Device	Description
*F	Customized GM Rady: Wall Mounted Flush to the wall	Customized GM Rady: Wall Mounted Flush to the wall with plexyglass frame
*C	Customized GM Rady: Wall Mounted with connectors at the base of the GM Rady	Customized GM Rady: Wall Mounted with connectors at the base of the GM Rady
*R1	One [1] Relay output	One Relay output (maximum up to 2 outputs/GM Rady)
*R2	Two [2] Relay output	Two Relay output (maximum up to 2 outputs/GM Rady)
*D1	One [1] Digital Output (Dry Contact)	One [1] Digital Output (Dry Contact)
*D2	Two [2] Digital Output (Dry Contact)	Two [2] Digital Output (Dry Contact)
*A1	One [1] Analogical Input	One [1] Analogical Input (Max. Four [4] Analogical Input/GM Rady)
*A2	Two [2] Analogical Input	Two [2] Analogical Input (Max. Four [4] Analogical Input/GM Rady)
*A3	Three [3] Analogical Input	Three [3] Analogical Input (Max. Four [4] Analogical Input/GM Rady)
*A4	Four [4] Analogical Input	Four [4] Analogical Input (Max. Four [4] Analogical Input/GM Rady)
*AS	Customized GM Rady: Ambiantal Sensor	Set of sensors: Temperature, Humidity and Pressure integrated in GM Rady
GSHZ2	External probe	External probe with 10 mt of cable
GMR10MTC	10mt cable	10mt cable additional for GM Rady probe
GMRPS	Customized GM Rady: Pressure sensor	Pressure sensor with 10 mt of cable integrated in GM Rady
GMRSC	Surveillance Camera	Surveillance camera compatible with Radynet
LB	Light Bar	Light Bar (red)



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