

Environmental Monitor / Gate Monitor (NXG_ERM)

Features

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Specifications

Radiation to be detected : 8 k
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Detector :- = 8

Energy response : t

Accuracy : 7 #

EHT: † †) # u †

Display : 5" TFT is used for display of dose rate, hardware status information & also for visualization of preset alarm and other parameters.

Overload : Senses overload above 200% of fullscale and upto 1 R/h & indicates on display "OFL".

Over-range : o

Constant : 7 o h \V

Normal (Slow) :

Abrupt detection : Update the current reading within 2 sec.

Calibration Accuracy : +/- 10% through out the range.

Alarm range : 1µR/hr to 9999 µR/hr 0.01µSv/Hr to 99 µSv/hr. 1-50000 CPM.

The alarm level setting will be carried out through Radgrid Software by Ethernet Communication. Alarm Indication :

- a) Red Mimic flashing large area on TFT display.
- b) Loud alternating audio tone (Dual frequency tone).

Instrument Controls :

Instrument Fault indication :

Detector failure :

Detector Housing:

cable between Smart Probe and the monitor.

e) The detector housing qualifies ingress protection Class IP-54. A separate mounting bracket for detector housing is provide.

External Console: RJ 45 connector for Ethernet port (NXG_ERM3) or SC Connector for Optical output(NXG_ERM3_OFC).

Computer Interface : The monitor NXG_ERM3 has a Ethernet 10/100Mbps port for interfacing with a remote Windows PC. The features supported by Ethernet port / Optical Port given below.

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- u 'h# u VCB -kU

u

= 'h# -=u 8U

- u = 'h#

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Applications : This is designed to monitor Environmental Radiation Levels, in the outdoor environments, near or around strategic Nuclear facilities. It is provided with a pedestal mounted water proff outdoor enclosure with transparent front door.