

Mounting: Detector housing is mounted using clamps on top of the monitor. The monitor is wall mountable type. Brackets for the monitor & detector housing are supplied along with the equipment.

Remote /External Console:

- a) Two sets of potential free contacts of Alarm relay (Change over). Contact rating 3 Amp at 250 VAC. The relay gets energized on NORMAL condition and de-energized under ALARM condition.
- b) Remote alarm acknowledgement and reset signals for the field instruments (Normally open contact).
- c) All these signals are terminated on a 17 pin I/O connector (Allied Connectors).The corresponding mating plug is supplied with the monitor
- d) Ethernet port. An RJ45 socket for LAN communication is provided, on the Instrument panel

Computer Interface :

This monitor has a Ethernet port for interfacing with a PC based on MODBUS-TCP protocol. The PC and the monitor operate in a host-slave configuration through this interface. The PC, as the host will give commands and send queries. The monitor will carry the various functions as per the required information in response to the queries.

The firmware of the monitor sends the instrument data like Instrument ID, Instrument type, Input range, Display range, alarm settings, alarm status, current reading, diagnostic status of EHT/GM tube etc. to the Host PC on demand. The firmware receives commands from Host PC and carries out the setting of different parameters like Instrument ID, Instrument type, Input range, Display range, alarm settings,Ack, Reset, EHT setting, Instrument address etc. The configuration settings are password protected and the password is user defined.

Self Diagnostics:

The monitor has built-in self diagnostics. On being powered it performs tests to ensure that all components and sub-systems are functioning properly. It checks for the Power supply, High Voltage Supply, Detector and pulse processing electronics.

Input Power:

230VAC +/-10%, 50Hz, single phase supply. Power ON/OFF switch is provided with a neon indicator. Spike suppressor and linefilter are also provided.

Environment:This instrument can withstand temperature upto 50 deg C and relative humidity upto 90% in radiation areas.

Environmental compliance : As per IS 9000 / ANSI N 42.17

EMI / EMC compliance: As per IEC 61000

Mechanical Enclosure:

Size : 357H x 380W x 140D

Weight: 6.5kg approx.