

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. 4 - 20 mA linear proportional to full scale display output. Current output is able to drive load of 600 ohms. Output circuitry shall be able to drive 200 mtrs.of twisted pair of wires.
- b. Two sets of potential free contacts of Alarm relay (Change over). Contact rating 3 Amp at 250 VAC. The relay is energized on normal condition and de-energised under alarm condition.
- c. Remote alarm acknowledgement and reset signals for the field instruments (Normally open contact).
- d. Indication of instrument fault condition (detector, EHT and LV supplies failure), over range & overflow conditions by up-scale 4-20 mA. (22.5mA)
- e. All these signals are terminated on a 17 pin socket (Allied Connectors). The corresponding mating plug with 5 mtr cable is supplied with the monitor.
- f. RJ 45 connector for Ethernet port

- The firmware of the monitor shall be able to send 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 shall be able to receive commands from Host PC and carry out the setting of different parameters like instrument ID, instrument type, input range, display range, alarm settings, Ack, Reset, instrument address etc.
- Data transfer using socket programming for transfer of last 24 hr data is provided.

Self Diagnostics : The monitor has built-in self diagnostics. On being powered it will perform tests to ensure that all components and sub systems are functioning properly. It will check for the Power supplies, High Voltage Supply, Detector and Counting electronics.

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

Mechanical Enclosure:
 Size: 357H x 410W x 140D
 Weight: 8.5kg approx

Computer Interface : The monitor shall have a Ethernet 10/100 Mbps port for interfacing with a remote IBM PC-compatible computer. The features supported by Ethernet port are given below.

- The PC and the monitor shall operate in a host-slave configuration and the software protocol will be MODBUS/TCP.
- The PC as the host shall give commands and send queries. The monitor will carry out various functions in response to the queries.