

S. No.	Description	Qty
01.	0FP1A1495: Multi-Channel Gamma Analyzer along with Software	02

Specifications of Multichannel Gamma Analyzer/Identifier

1. Inputs

- DC Power/charger 12 V, 2 A dc output, universal ac/dc adapter input with IEC 320 power connector.

2. Outputs

- USB device interface for connection to host computer for spectrum upload and library/efficiency download

3. Detectors

- GM tube Internal GM Tube for high dose/ count rate measurement
- NaI probes: External Na (TI) detectors with integrated preamplifier and programmable HVPS sensitivity reference to Cs¹³⁷ : 32000 cps/mrem/h $\pm 3.5\%$
- Amplitude: 0.16 V to 1.6 V full scale output

4. Display

- Backlit color LCD and touch Panel with Resolution: 320 x 240 pixels

5. Audio

- Audible count rate indicator: off or one beep for every 100, 1000 or 10000 counts: user selectable
- Alarm/ warnings using tones: user selectable
- Count/ Dose Rate display: Dose rate bar graph full scale: 0.1, 1.0, 10, 100, 1000, 10000, auto: user selectable
- Dose Rate Units: μ R/h, mR/h, μ Sv/h, mSv/h user selectable.

6. Performance

- Energy Rang for NaI detector: 50 keV to 3 MeV
- Energy Range for GM detector: 30 keV to 3 MeV
- Live Time preset: 1 – 1000000 s; Real Time Preset: 1 – 100000 s
- Spectral data storage: More than 512 spectra of 1024 channels
- Nuclide Identification energy tolerance window: $\pm 4\%$
- Minimum Dose Rate equivalent H* (10) : 10 nSv/hr
- Maximum Dose Rate equivalent H* (10) : 100 mSv/hr or greater
- Dose Update rate: 3-10s; user selectable

7. Software

- Operating Software (preferably Genie 2000) to upload or download nuclide libraries, efficiency calibration information, through dynamic link between the instrument and the host computer made via a fast USB communication port.

8. Bag/Carrier : Bag/Carrier for multichannel analyzer