This series of power supplies have been designed and developed for OEM application requiring continuous operation for NDT inspection in various fields.

**HF X-RAY GENERATOR FOR NDT SYSTEM**

**125kV / 160kV / 220kV, 5mA**

Non -destructive testing is extremely valuable for evaluation, troubleshooting, research, and quality control in science and industry.

These compact high frequency units have to be connected to an X-Ray tube to generate X-Rays and are available in 3 models 125kV, 5mA; 160kV, 5mA and 220kV, 5mA. The high frequency output allows for lower kV per exposure and superior imaging for better evaluation.

**Features:**

* Compact
* Superior Imaging
* Lower kV per exposure
* Microprocessor / PLC control
* Easy Serviceability

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| **Technical Specifications** |
| **PARAMETER** | SPECIFICATION |
| Input Voltage | 230V ±10% A C, 50Hz, single phase |
| No. of Output | 2 |
| Output Voltage1Output Voltage 2 |  **125kV 160kV 220kV**0 to +62.5kV DC 0 to +80kV DC 0 to +110kV DC0 to +62.5kV DC 0 to +80kV DC 0 to +110kV DC |
| Output Current | 0 to 5mA |
| Filament Voltage and Current | As per tube selection by OEM |
| Polarity | Positive and negative |
| Line Regulation | <0.1% for 10% variation in input voltage |
| Load Regulation | <0.5% for 10% load variation (tube current) |
| Mode of Operation | Constant voltage-constant current (x-ray anode current) |
| Protections | Overload, short-circuit and arc |
| Topology | SMPS |
| Cable and Connectors | To be supplied by the OEM |
| Housing  HT Tank Inverter | MS tank (550mmx329mmx246mm)19” Rack (440mmx458mmx142mm) |

* OEM Customization Available

\*Optional. To be specified by the user.

For any queries or customization requests contact us at info@ionics.co.in

For product line information visit us at [www.ionics.co.in](http://www.ionics.co.in)