The HF X-ray Generator consists of an inverter and oil-filled tank which houses the high voltage transformer and tube. It has been designed and developed for OEM application using transmission tube for neonatal care. The high frequency output allows for lower kV per exposure, shorter exposure and superior imaging.

**HF MONOBLOCK FOR NEONATAL CARE**

**40W/ 1kW**



**Features:**

* Compact & light weight
* Reduction in dose
* Superior Imaging
* Tablet / Keyboard /touch-Screen Control
* Easy Serviceability

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| --- | --- | --- |
| **Technical Specifications** | | |
| **PARAMETER** | SPECIFICATION | |
| Rating | **40W** | **1kW** |
| Input Voltage | 90 - 264VAC, single phase 47-63Hz (1kW) | |
| Protections | Over voltage, over current, over temperature, arc | |
| Interface | RS232 & USB | |
| TUBE VOLTAGE PERFORMANCE | | |
| Output Voltage | -40kV to -80 kV | -40kV to -100 kV |
| kV Rise | To -80kV in less than 10 msec | To -100kV in less than 5 msec |
| kV Fall time | From -80kV to -25kV in less than 6 msec | From -100kV to -25kV in less than 6 msec |
| kV Repeatability | ± 10% |  |
| kV Stability | ± .5% |  |
| kV Ripple | ≤ 1% rms | |
| Line Regulation | ±0.1% over a range of line voltage from 90 to 264V | |
| Load regulation | ±0.1% over a range of emission current from 0.01mA to 0.5mA | ±0.1% over a range of emission current from 1.0mA to 10.0mA |
| kV Accuracy | ± 2% of target | |
| BIAS VOLTAGE PERFORMANCE | | |
| Bias Voltage Operational Range | -300V to 800 V (-300V~0, 0~800V) | |
| V rise | 0 to 800V in less than 1.0 msec | |
| V fall time | From 800V to 0V in less than 0.02 msec | |
| V repeatability | ± 10% | |
| V stability | ± 2% | |
| V Ripple | ≤ 1% rms | |
| V Accuracy | ± 2% of target | |

* OEM Customization Available

For any queries or customization requests contact us at [info@ionics.co.in](mailto:info@ionics.co.in)

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