

FC SERIES

FC225



The Gulmay FC Series of high-voltage generators is available in either a standard 640W or higher power 1000W option. FC series generators are the ideal power supply when using traditional and high power series x-ray tubes for a variety of imaging techniques including analogue real-time imaging, digital flat panel imaging and linear imaging detectors. Used extensively in tyre inspection applications, the FC series is also ideal for use in food inspection, casting and welded assemblies, small parcel security, and a wide range of real-time NDT inspection applications.

The FC series incorporates an accurate feedback system that constantly monitors the x-ray tube mA and kV to ensure precise and stable output. The generator status is monitored by the internal electronics to maintain safe and reliable operation. The oil-filled high-voltage system provides greater thermal dissipation than resin-filled designs, increasing reliability and ensuring both a 100% duty cycle and full field serviceability.

X-RAY

GENERATORS • CONTROLLERS • TUBES

Gulmay is a world leader in the design and manufacture of high voltage generators, x-ray generators and x-ray controllers.

Our extensive range of class-leading x-ray generators is complimented by a broad range of components including x-ray tubes from the world's leading manufacturers, high voltage cables, coolers, and complete turnkey sub-systems, configured and optimised for straightforward system integration.



PRODUCT SPECIFICATIONS

| | |
|---------------------|--------------------------------------|
| Max Power | 640W |
| kV Range | 5-225kV |
| kV Accuracy | ±1% of Demand Value |
| kV Reproducibility | Better Than ±0.05kV |
| High Voltage Ripple | <5.0V/mA with 10M High Voltage Cable |
| mA Range | 0-7mA |
| mA Accuracy | ±0.5% of Demand Value |
| mA Reproducibility | Better Than 2µA |
| Input Voltage | 230 V ± 10% 47-63 Hz |
| Input Current | 10.6A at 230V |
| Output Connector | R30 |

| | |
|-------------------------|----------------|
| Storage Temperature | -40°C to +70°C |
| Operational Temperature | 0°C to +40°C |
| Relative Humidity | 95% |
| Duty Cycle | 100% |

INTERFACES

| | |
|-------|-------------------------|
| Comms | Analogue / RS232 /RS422 |
|-------|-------------------------|

DIMENSIONS**

| | |
|------------------|--------------------------|
| Dimensions, mm | (W)415 x (H)545 x (D)830 |
| Weight (approx.) | 175kgs |

** The Information provided is for reference purposes only. Actual specifications may differ depending on variant.

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