

iVario

160 / 2.25

160 / 4.5

With more than 60 years of expertise in the field, you're guaranteed that the iVario 160 kV generator has been built to go the distance to optimize the X-ray process. Its all-round flexible design offers a broad range of configuration possibilities that have been carefully considered to ensure safety, consistency and durability. With this advanced model, you can expect higher uptime, prolonged tube life and consistent results.

- Highly modular, versatile and configurable generator with settings that can be adapted to suit your specific needs.
- The intelligent arc-handling system with built-in characterization logic enables automatic arc detection, providing the optimal settings to prolong the lifespan of the X-ray tube.
- The tube library that comes with the generator includes optimized tube profiles (ramp-up and ramp-down profiles), prolonging the tube's lifespan with the best module (tube-generator) integration.
- Additional accessories, such as a touchscreen control panel and an IP54 protection cover, make the iVario generator well suited to every application.



COMET

Technology with Passion

EXCEPTIONALLY POWERFUL ADVANCED INTELLIGENCE

PRODUCT SPECIFICATIONS

iVario	160/2.25	160/4.5
VOLTAGE RANGE	7.5–160 kV	
ADJUSTMENT INCREMENTS (minimum step)	≤ 0.1 kV	
ACCURACY	± 1% of max kV	
REPRODUCIBILITY (at constant temperature)	± 0.01% of max kV	
LONG-TERM VOLTAGE STABILITY *	± 0.1% of max kV	
TEMPERATURE-INDUCED DRIFT	± 40 ppm/°C	
HIGH-VOLTAGE RIPPLE (with 10m high-voltage cable)	5 V/mA (min 20V)	

EMISSION CURRENT RANGE	0–22.5 mA	0–45 mA
ADJUSTMENT INCREMENTS	≤ 0.01 mA	
ABSOLUTE ACCURACY	± 0.2% of max mA	
REPRODUCIBILITY (at constant temperature)	± 0.002 mA	
LONG-TERM CURRENT STABILITY *	± 0.1% of set mA	
TEMPERATURE-INDUCED DRIFT	± 50 ppm/°C	

MAXIMUM POWER	2 250 W	4 500 W
KV RAMP-UP AND RAMP-DOWN TIME BETWEEN TWO WORKING POINTS **	< 300 ms	

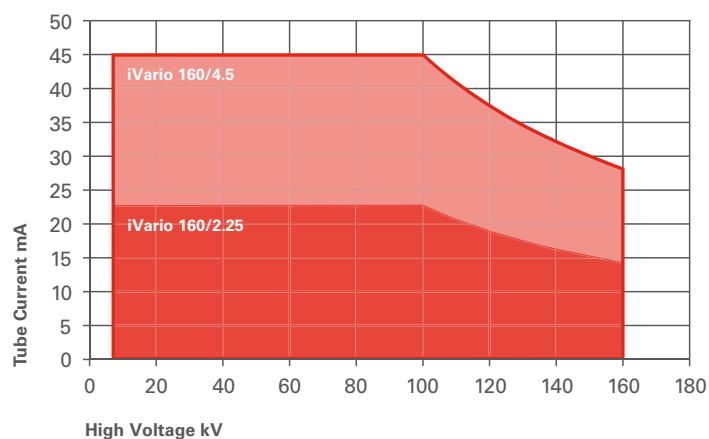
INTERFACES

HIGH-VOLTAGE CONNECTOR TYPE	R24
DATA / CONTROL	Ethernet RS-232

DIMENSIONS

DIMENSIONS (HxWxL)	375 x 500 x 640 mm	
WEIGHT	84 kg	87 kg
APPROVALS	CE, CB, NFC 74100	

GENERATOR DIAGRAM



* Over 8 hours at max kV/power after 1 hour warm-up

** Can be further limited by the X-ray tube