



**XRP-320/4500/2**

15 – 320 kV
0.2 kV/step
+/- 1% of output value +/- 0.2 kV
+/- 0.01% of maximum kV-value
10 V/mA, min. 40 V
80 ppm/°C based on output value

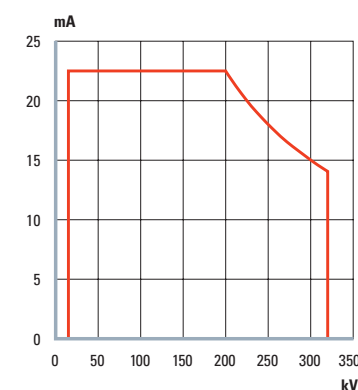
0 – 22.5 mA
in 0.05 mA steps from 0.5 mA to maximum value
in 0.01 mA steps from 0.0 mA to maximum value
+/- 0.2% of output value +/- 0.01 mA
+/- 2 µA
50 ppm/°C of output value

4500 W
R24

<b>XRG</b>
483 mm x 133 mm x 300 mm
12.5 kg

<b>XRP-POWER-4500</b>
340 mm x 350 mm x 628 mm
45 kg

<b>XRP-T160K / XRP-T320A</b>
375 mm x 335 mm x 625 mm
80 kg



**XRP-450/4500/2**

20 – 450 kV
0.2 kV/step
+/- 1% of output value +/- 0.2 kV
+/- 0.01% of maximum kV-value
10 V/mA, min. 40 V
80 ppm/°C based on output value

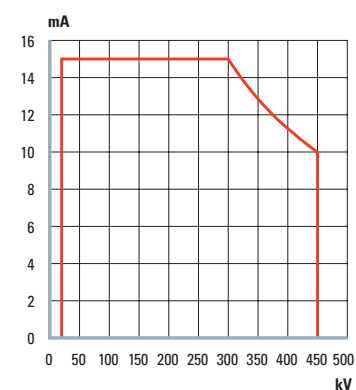
0 – 15 mA
in 0.05 mA steps from 0.5 mA to maximum value
in 0.01 mA steps from 0.0 mA to maximum value
+/- 0.2% of output value +/- 0.01 mA
+/- 2 µA
50 ppm/°C of output value

4500 W
R28

<b>XRG</b>
483 mm x 133 mm x 300 mm
12.5 kg

<b>XRP-POWER-4500</b>
340 mm x 350 mm x 628 mm
45 kg

<b>XRP-T225K / XRP-T450A</b>
514 mm x 364 mm x 624mm
125 kg



**XRP-600/4500/2**

20 – 600
0.2 kV increments
+/- 1% of output value +/- 0.2 kV
+/- 0.01% of maximum kV-value
10 V/mA, min. 40 V
80 ppm/°C

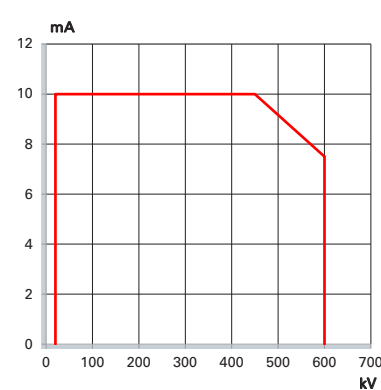
0 – 10 mA
in 0.05 mA steps from 0.5 mA to maximum value
in 0.01 mA steps from 0.0 mA to maximum value
+/- 0.2% of output value +/- 0.01 mA
+/- 2 µA
50 ppm/°C of output value

4500 W
R30

<b>XRG-600</b>
483 mm x 133 mm x 300 mm
12.5 kg

<b>XRP-POWER-600</b>
340 mm x 350 mm x 628 mm
45 kg

<b>XRP-T300K / XRP-T600A</b>
950 mm x 417 mm x 557 mm
180 kg



# XRS Modules & Generators



Industrial X-Ray

Overview

10/2016—V3, specification subject to change without notice

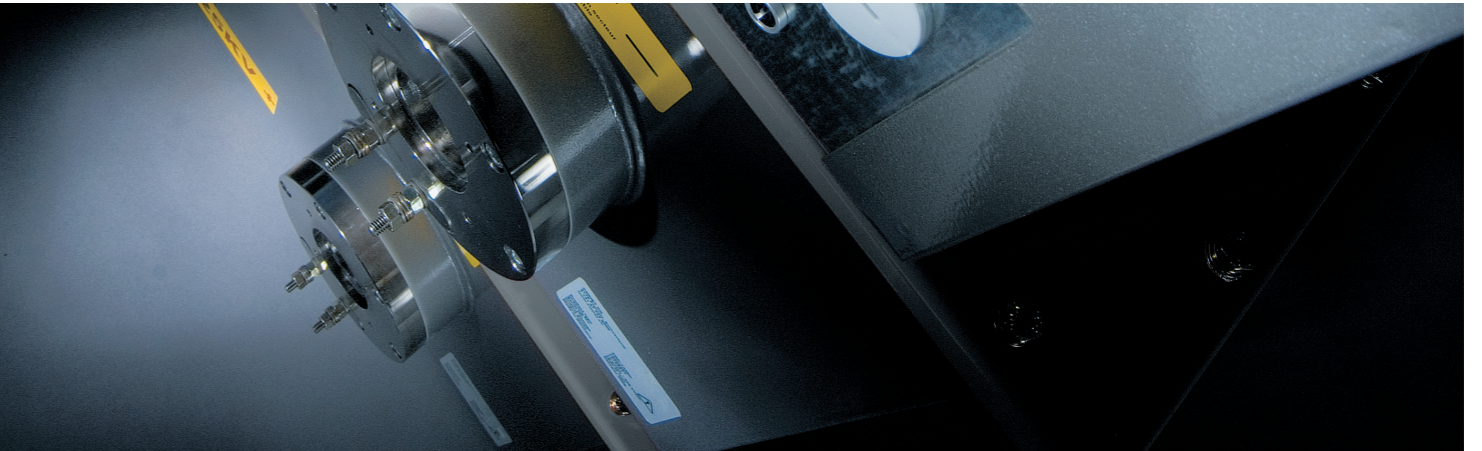
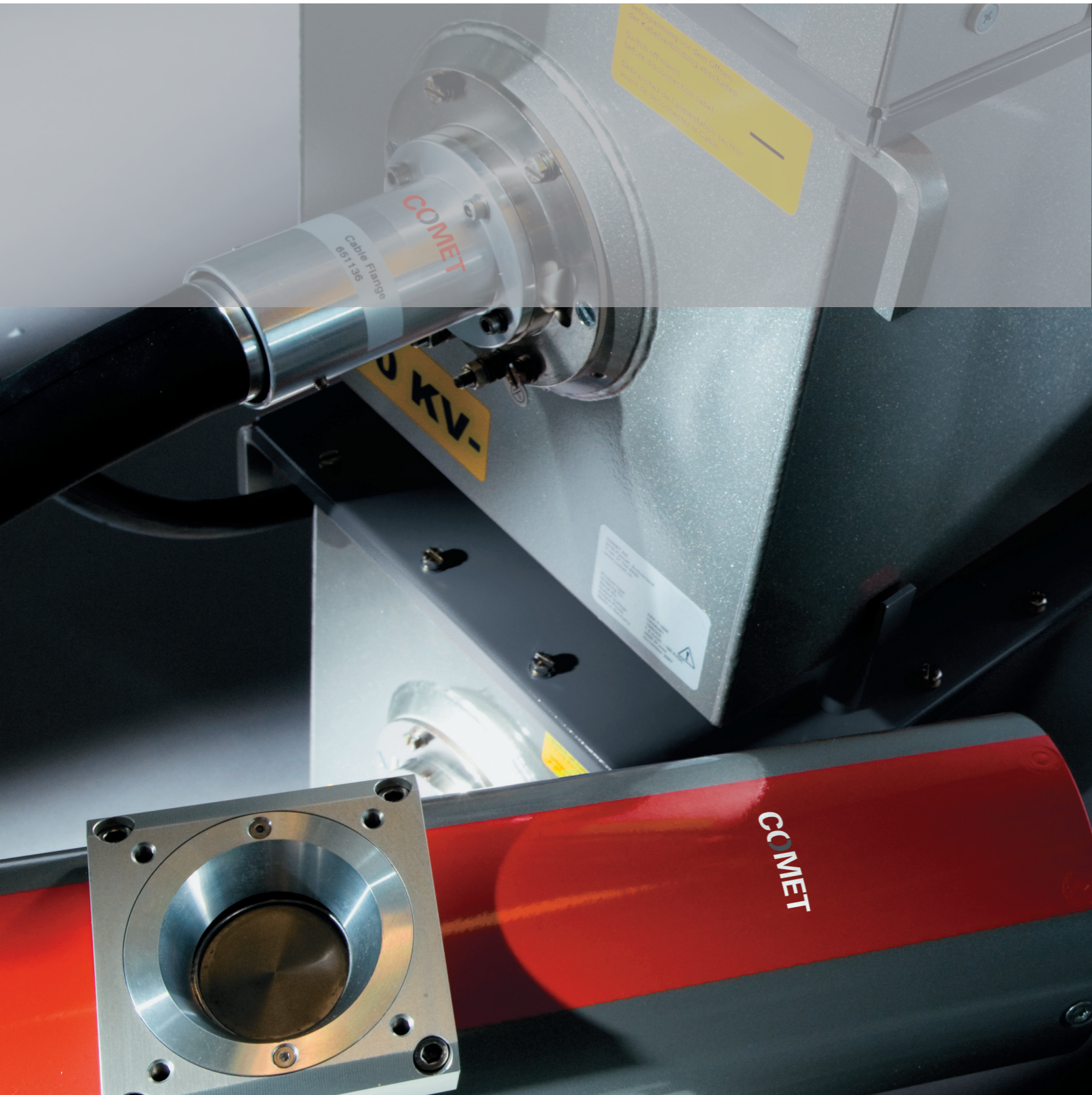
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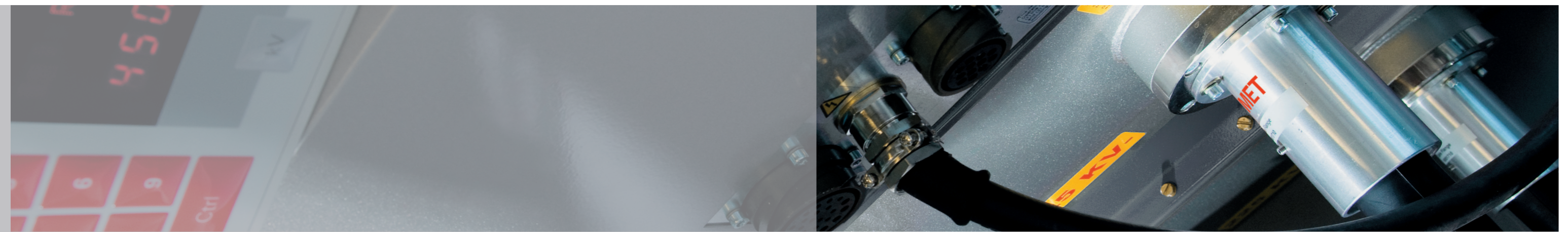
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Technology with Passion



#### About the Business Unit Industrial X-Ray

COMET Industrial X-Ray is an experienced supplier of components and modules for industrial X-Ray applications and is proud of its reputation as the preferred engineering partner in terms of innovation potential, know how, flexibility and speed. Our product range features X-Ray tubes and modules with small focal spot resolution up to 6 kW in output for more power demanding requirements. From the smallest footprint for use in portable units to 600 kV fixed gantry systems that are suitable for cargo screening, we offer a solution.



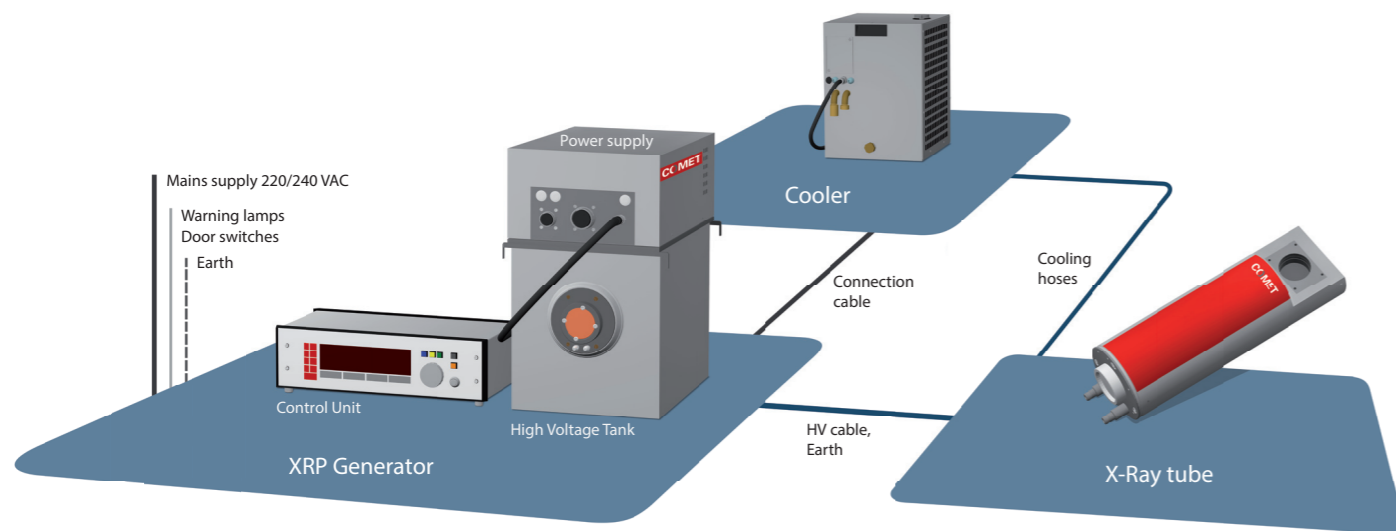
**“One Stop Shop” for Industrial X-Ray: COMET’s XRS**

COMET is pleased to offer all of the necessary components for a customized X-Ray module: The new XRS modules contain a COMET X-Ray tube, XRP Generator, HV-cables, cooler and interconnections designed for easy integration that will optimize system performance.

All XRS modules are factory pre-tested for hassle free installation and operation. This solution demonstrates COMET’s continuous commitment and investment in delivering real added value to our worldwide customer base.

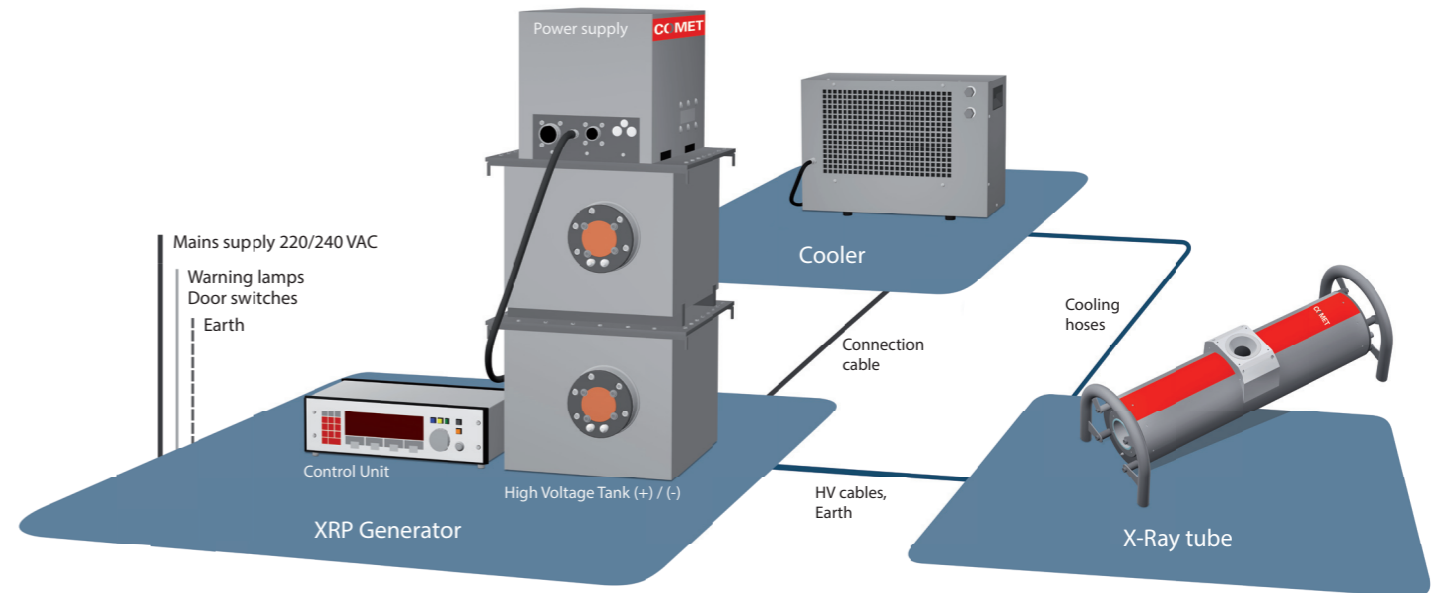
**Unipolar XRS Module**

Diagram of a Unipolar X-Ray tube and its environment.



**Bipolar XRS Module**

Diagram of a Bipolar X-Ray tube and its environment.





### XRS Modules

#### Product Highlights

##### Ease of control

- All COMET tubes are pre-programmed
- Constant current mode
- Constant power mode
- Language selection: English, German, French, Spanish
- Rotary-knob manual control of kV and mA
- Large LED display
- Serial interface
- Intelligent automatic tube warm up, optimized for COMET tubes
- Remote operation up to 100 m
- Easy installation with pre-manufactured interconnection cables
- RS232 interface for XRP controller

##### Industry-proven construction, compact and service friendly

- Outstanding reliability
- Rugged, oil-insulated, high voltage components
- Compact power supply for all module components including cooler, warning lamps and safety circuits
- Stackable components save floor space

##### Highly stable, low-ripple kV level with

- Precise and repeatable operation
- Very low high voltage ripple
- Very low temperature drift

#### Safety provisions

- Two separate, independently monitored safety-circuits (fail-safe, 24 V)
- Continuous system-function monitoring with fully automated system shut-down and failure indication
- Automated filament post-heating high voltage capacitor discharge upon termination
- "X-Ray on" warning lamp monitoring (fail-safe)
- External safety circuit for automated systems (24 V)
- High voltage primary circuit interruption for CDRH switch (US-standard)
- External 230V or 24V warning lamp monitoring
- Monitored door lock feature
- External coolant monitoring
- I/O Terminals included

#### Additional components

- Optical interface kit

#### Operational features

- High HV reproducibility
- Exact HV and mA settings
- Discharge resistance allows high availability
- Automatic arc detection

### XRS-160

#### Components of XRS-160

TUBE	Ordering No.
MXR-160/21	915302.51
MXR-160/22	915301.51
MXR-160HP/20	915357.51
MXR-160HP/FB	915359.51
MXR-160HP/11	915370.51
MXRP-160C	915311.51

GENERATOR	Ordering No.
XRP-160/2250/2	N/A
XRP-160/4500/2	N/A

HV-CABLE (standard length)	Ordering No.
N3/160-R24SL-R24SL-5m	20031101
N3/160-R24SL-R24SL-10m	20031103
N3/160-R24SL-R24SL-15m	20031104
N3/160-R24SL-R24SL-20m	20031105

COOLER/CHILLER	Ordering No.
XRC-3001-WA (Cooler water/air)	10008640
XRC-3001-WW (Cooler water/water)	10008641
XRCA-3001-WA (Chiller water/air)	20033337

#### XRS-160 configurations

Examples of XRS-160 configurations

TUBE				CABLE	GENERATOR	COOLER
Type	Continuous rating	Focal spot acc. EN 12543	Radiation coverage	Type	Type	Type
<b>MXR-160/21</b>	640W/1600W	d=1.0/3.0mm	40°	N3/160-R24SL-R24SL-Xm	XRP-160/2250/2	XRC-3001-WA
<b>MXR-160/22</b>	640W/3000W	d=1.0/5.5mm	40°	N3/160-R24SL-R24SL-Xm	XRP-160/4500/2	XRC-3001-WA
<b>MXR-160HP/20</b>	1000W/1000W	d=1.0/1.0mm	40°	N3/160-R24SL-R24SL-Xm	XRP-160/2250/2	XRC-3001-WA
<b>MXR-160HP/FB</b>	1000W	d=1.0mm	60°x25°	N3/160-R24SL-R24SL-Xm	XRP-160/2250/2	XRC-3001-WA
<b>MXR-160HP/11</b>	800W/1800W	d=0.4*/1.0mm	40°x30°	N3/160-R24SL-R24SL-Xm	XRP-160/2250/2	XRC-3001-WA
<b>MXRP-160C</b>	1000W	d=0.4/4.0mm	360°x40°	N3/160-R24SL-R24SL-Xm	XRP-160/2250/2	XRC-3001-WA

\*Threshold: 30%



**XRS-225**

**Components of XRS-225**

TUBE	Ordering No.	HV-CABLE (standard length)	Ordering No.
MXR-225/21	915325.51	P3/250-R24SL-R28SL-5m	20031099
MXR-225/22	915326.51	P3/250-R24SL-R28SL-10m	10010844
MXR-225/26	915386.51	P3/250-R24SL-R28SL-15m	10034152
MXR-225HP/11	915371.51		
MXR-225HP/11 FB	915362.51		

GENERATOR	Ordering No.	COOLER/CHILLER	Ordering No.
XRP-225/2250/2	N/A	XRC-3001-WA (Cooler water/air)	10008640
XRP-225/4500/2	N/A	XRC-3001-WW (Cooler water/water)	10008641
		XRCA-3001-WA (Chiller water/air)	20033337

**XRS-225 configurations**

Examples of XRS-225 configurations

TUBE	CABLE			GENERATOR	COOLER	
Type	Continuous rating	Focal spot acc. EN 12543	Radiation coverage	Type	Type	
<b>MXR-225/21</b>	640W/1600W	d=1.0/3.0mm	40°	P3/250-R24SL-R28SL-Xm	XRP-225/2250/2	XRC-3001-WA
<b>MXR-225/22</b>	640W/3000W	d=1.0/5.5mm	40°	P3/250-R24SL-R28SL-Xm	XRP-225/4500/2	XRC-3001-WA
<b>MXR-225/26</b>	600W/4000W	d=1.2/5.5mm	40°	P3/250-R24SL-R28SL-Xm	XRP-225/4500/2	XRC-3001-WA
<b>MXR-225HP/11</b>	800W/1800W	d=0.4*/1.0mm	40°x30°	P3/250-R24SL-R28SL-Xm	XRP-225/2250/2	XRC-3001-WA
<b>MXR-225HP/11 FB</b>	800W/1800W	d=0.4*/1.0mm	90°x25°	P3/250-R24SL-R28SL-Xm	XRP-225/2250/2	XRC-3001-WA

\*Threshold: 30%

**XRS-320**

**Components of XRS-320**

TUBE	Ordering No.	HV-CABLE (standard length)	Ordering No.
MXR-320/23	915334.51	N3/160-R24SL-R24SL-5m	20031101
MXR-320/26	915358.51	N3/160-R24SL-R24SL-10m	20031103
MXR-320/23 AX	915334.58	N3/160-R24SL-R24SL-15m	20031104
MXR-320/26 AX	915358.58		
MXR-320HP/11	915368.51		
MXR-320HP/11 FB	915388.51		

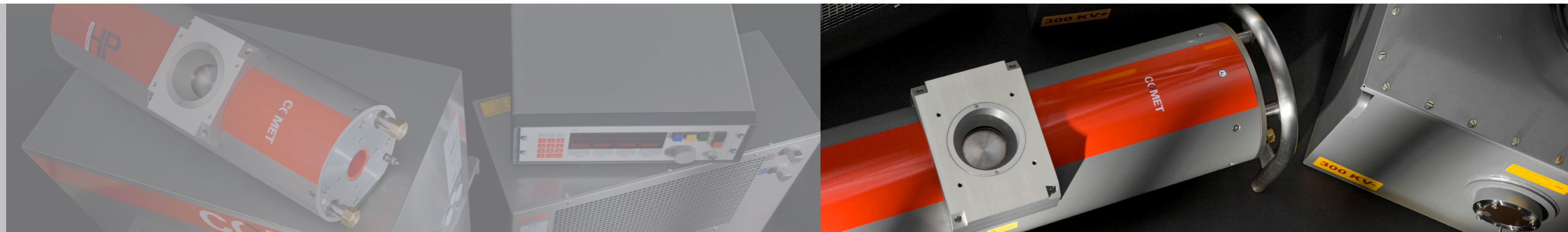
GENERATOR	Ordering No.	COOLER/CHILLER	Ordering No.
XRP-320/4500/2	N/A	XRC-4501-OA (Cooler oil/air)	10008642
		XRC-4501-OW (Cooler oil/water)	10008643
		XRCA-5001-OA (Chiller oil/air)	20033338

**XRS-320 configurations**

Examples of XRS-320 configurations

TUBE	CABLE			GENERATOR	COOLER	
Type	Continuous rating	Focal spot acc. EN 12543	Radiation coverage	Type	Type	
<b>MXR-320/23</b>	640W/1600W	d=1.9/3.6mm	40°	N3/160-R24SL-R24SL-Xm	XRP-320/4500/2	XRC-4501-OA
<b>MXR-320/26</b>	1500W/4200W	d=3.0/5.5mm	40°	N3/160-R24SL-R24SL-Xm	XRP-320/4500/2	XRC-4501-OA
<b>MXR-320/23 AX</b>	640W/1600W	d=1.9/3.6mm	40°	N3/160-R24SL-R24SL-Xm	XRP-320/4500/2	XRC-4501-OA
<b>MXR-320/26 AX</b>	1500W/4200W	d=3.0/5.5mm	40°	N3/160-R24SL-R24SL-Xm	XRP-320/4500/2	XRC-4501-OA
<b>MXR-320HP/11</b>	800W/1800W	d=0.4*/1.0mm	40°x30°	N3/160-R24SL-R24SL-Xm	XRP-320/4500/2	XRC-4501-OA
<b>MXR-320HP/11 FB</b>	800W/1800W	d=0.4*/1.0mm	80°x11°	N3/160-R24SL-R24SL-Xm	XRP-320/4500/2	XRC-4501-OA

\*Threshold:25%



### XRS-450

#### Components of XRS-450

TUBE	Ordering No.
MXR-421/26	915366.55
MXR-451/26	915366.51
MXR-451HP/11	915369.51
MXC-451HP/11	915705.51
MXC-451	915704.51
MXR-452/Y	915344.55

GENERATOR	Ordering No.
XRP-450/4500/2	N/A

HV-CABLE (standard length)	Ordering No.
P3/250-R28SL-R28SL-5m	20031100
P3/250-R28SL-R28SL-10m	20047443
P3/250-R28SL-R28SL-15m	20047444

COOLER/CHILLER	Ordering No.
XRC-4501-OA (Cooler oil/air)	10008642
XRC-4501-OW (Cooler oil/water)	10008643
XRCA-5001-OA (Chiller oil/air)	20033338

#### XRS-450 configurations

Examples of XRS-450 configurations

TUBE				CABLE	GENERATOR	COOLER
Type	Continuous rating	Focal spot acc. EN 12543	Radiation coverage	Type	Type	Type
MXR-421/26	900W/4500W	d=2.5/5.5mm	40°	P3/250-R28SL-R28SL-Xm	XRP-450/4500/2	XRC-4501-OA
MXR-451/26	900W/4500W	d=2.5/5.5mm	40°	P3/250-R28SL-R28SL-Xm	XRP-450/4500/2	XRC-4501-OA
MXR-451HP/11	700W/1500W	d=0.4*/1.0mm	40°x30°	P3/250-R28SL-R28SL-Xm	XRP-450/4500/2	XRC-4501-OA
MXC-451HP/11	700W/1500W	d=0.4*/1.0mm	40°x30°	P3/250-R28SL-R28SL-Xm	XRP-450/4500/2	XRC-4501-OA
MXC-451	800W	d=7.5mm	40°x40°	P3/250-R28SL-R28SL-Xm	XRP-450/4500/2	XRC-4501-OA
MXR-452/Y	900W/4500W	d=2.5/5.5mm	90°x20°	P3/250-R28SL-R28SL-Xm	XRP-450/4500/2	XRC-4501-OA

\*Threshold: 25%

### XRS-600

#### Components of XRS-600

TUBE	Ordering No.
MXR-601HP/11	915395.51

GENERATOR	Ordering No.
XRP-600/4500/2	N/A

HV-CABLE (standard length)	Ordering No.
F3/300-R30-R30-5m	20033844

COOLER/CHILLER	Ordering No.
XRC-4501-OA (Cooler oil/air)	10008642
XRC-4501-OW (Cooler oil/water)	10008643
XRCA-5001-OA (Chiller oil/air)	20033338

#### XRS-600 configurations

Examples of XRS-600 configurations

TUBE				CABLE	GENERATOR	COOLER
Type	Continuous rating	Focal spot acc. EN 12543	Radiation coverage	Type	Type	Type
MXR-601HP/11	700W/1500W	d=0.7/2.0mm	40°x30°	F3/300-R30-R30-5m	XRP-600/4500/2	XRC-4501-OA



## XRP Generators

COMET Industrial X-Ray generators and COMET Metal Ceramic X-Ray tubes are perfectly matched for high stable performance. The high frequency XRP Generator has been designed to meet the tough requirements of modern industrial X-Ray applications. The XRP Generator is the ideal workhorse for both radiographic and real-time applications. All generators are factory-configured and pre-tested.

### COMET XRP Generators offer:

- Voltages up to 600 kV
- Power up to 4.5 kW
- Unipolar and bipolar configurations
- Single or dual focal spot control

### XRP Generators include the following components:

#### Control unit

Microprocessor based controller for 19" rack mounting

#### Power supply

- Power supply for the high voltage section as well as the external cooler
- Integrated terminal blocks: controls for the safety circuits to the cooler, door switches, warning lamps and other remote devices

#### High voltage tank(s)

Oil-insulated high voltage section

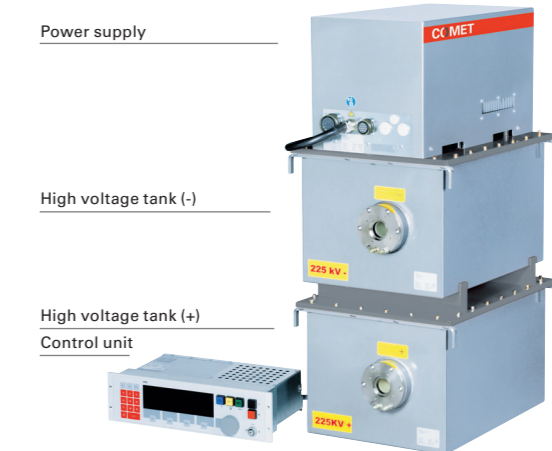
#### Arc handling

- Automatic arc detection
- Built-in arc characterization logic (weak / strong arcs)
- Distinct, automatic reaction:
  - a) Weak arc: immediate ramp up after arc quenching
  - b) Strong arc: system shut-off – manual restart required
- XRS-600: pre-programmable down-time after weak arcs for system recovery

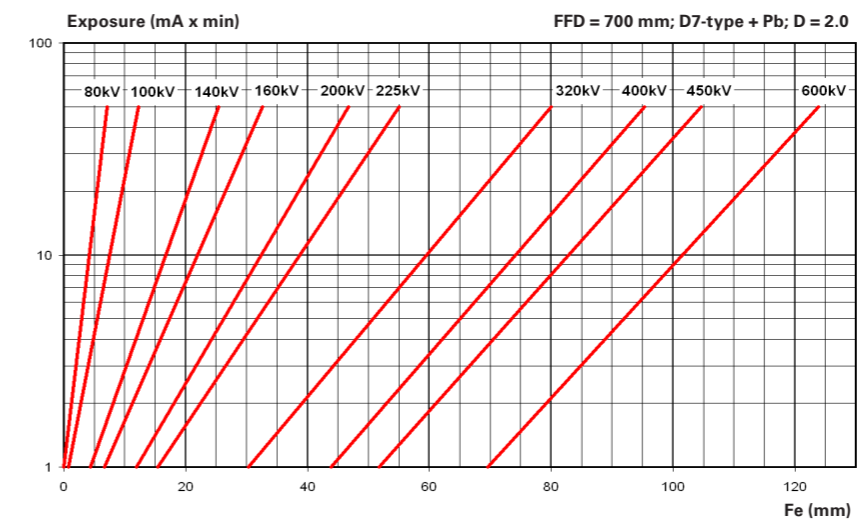
## XRP Generator Components – Unipolar



## XRP Generator Components – Bipolar



## Exposure chart

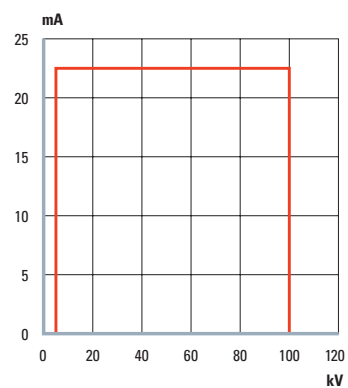




**XRP-100/2250/2**

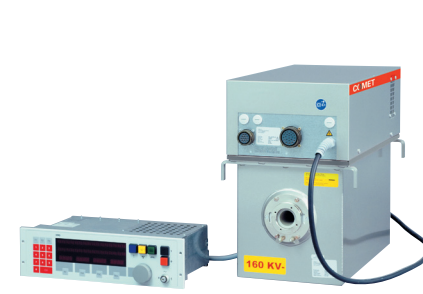
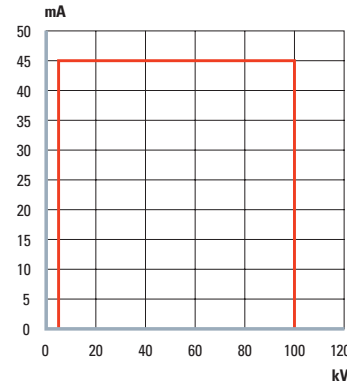
<b>Voltage range</b>	5 – 100 kV
<b>Adjustment increments (minimum step)</b>	0.1 kV/step
<b>Accuracy</b>	+/- 1% of output value +/- 0.1 kV
<b>Reproducibility (at constant temperature)</b>	+/- 0.01% of maximum kV-value
<b>High voltage ripple (with 10 m high voltage cable)</b>	5 V/mA, min. 20 V
<b>Temperature induced drift</b>	80 ppm/°C based on output value
<b>Current range</b>	0 – 22.5 mA
<b>Adjustment standard range</b>	in 0.05 mA steps from 0.5 mA to maximum value
<b>High resolution range (recommended)</b>	in 0.01 mA steps from 0.0 mA to maximum value
<b>Accuracy (at constant temperature)</b>	+/- 0.2% of output value +/- 0.01 mA
<b>Reproducibility (at constant temperature)</b>	+/- 2 µA
<b>Temperature induced drift</b>	50 ppm/°C of output value (on request 30 ppm/°C possible)
<b>Maximum power</b>	2250 W
<b>High voltage connector type</b>	R24
<b>Control Unit</b>	XRG
<b>Dimensions (W x H x D)</b>	483 mm x 133 mm x 300 mm
<b>Weight</b>	12.5 kg
<b>Power Supply</b>	XRP-POWER-2250
<b>Dimensions (W x H x D)</b>	340 mm x 200 mm x 628 mm
<b>Weight</b>	26 kg
<b>High Voltage Tank (Oil Insulated)</b>	XRP-T100K
<b>Dimensions (W x H x D)</b>	375 mm x 335 mm x 625 mm
<b>Weight</b>	80 kg

**Generator diagram**



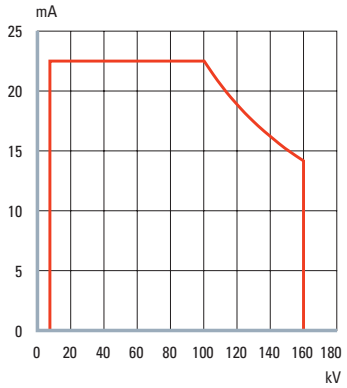
**XRP-100/4500/2**

<b>Voltage range</b>	5 – 100 kV
<b>Adjustment increments (minimum step)</b>	0.1 kV/step
<b>Accuracy</b>	+/- 1% of output value +/- 0.1 kV
<b>Reproducibility (at constant temperature)</b>	+/- 0.01% of maximum kV-value
<b>High voltage ripple (with 10 m high voltage cable)</b>	5 V/mA, min. 20 V
<b>Temperature induced drift</b>	80 ppm/°C based on output value
<b>Current range</b>	0 – 45 mA
<b>Adjustment standard range</b>	in 0.05 mA steps from 0.5 mA to maximum value
<b>High resolution range (recommended)</b>	in 0.01 mA steps from 0.0 mA to maximum value
<b>Accuracy (at constant temperature)</b>	+/- 0.2% of output value +/- 0.01 mA
<b>Reproducibility (at constant temperature)</b>	+/- 2 µA
<b>Temperature induced drift</b>	50 ppm/°C of output value (on request 30 ppm/°C possible)
<b>Maximum power</b>	4500 W
<b>High voltage connector type</b>	R24
<b>Control Unit</b>	XRG
<b>Dimensions (W x H x D)</b>	483 mm x 133 mm x 300 mm
<b>Weight</b>	12.5 kg
<b>Power Supply</b>	XRP-POWER-4500
<b>Dimensions (W x H x D)</b>	340 mm x 350 mm x 628 mm
<b>Weight</b>	45 kg
<b>High Voltage Tank (Oil Insulated)</b>	XRP-T100K
<b>Dimensions (W x H x D)</b>	375 mm x 335 mm x 625 mm
<b>Weight</b>	80 kg



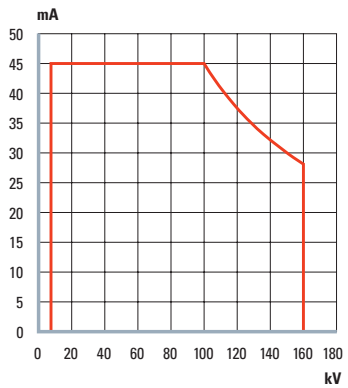
**XRP-160/2250/2**

<b>Voltage range</b>	7.5 – 160 kV
<b>Adjustment increments (minimum step)</b>	0.1 kV/step
<b>Accuracy</b>	+/- 1% of output value +/- 0.1 kV
<b>Reproducibility (at constant temperature)</b>	+/- 0.01% of maximum kV-value
<b>High voltage ripple (with 10 m high voltage cable)</b>	5 V/mA, min. 20 V
<b>Temperature induced drift</b>	80 ppm/°C based on output value
<b>Current range</b>	0 – 22.5 mA
<b>Adjustment standard range</b>	in 0.05 mA steps from 0.5 mA to maximum value
<b>High resolution range (recommended)</b>	in 0.01 mA steps from 0.0 mA to maximum value
<b>Accuracy (at constant temperature)</b>	+/- 0.2% of output value +/- 0.01 mA
<b>Reproducibility (at constant temperature)</b>	+/- 2 µA
<b>Temperature induced drift</b>	50 ppm/°C of output value (on request 30 ppm/°C possible)
<b>Maximum power</b>	2250 W
<b>High voltage connector type</b>	R24
<b>Control Unit</b>	XRG
<b>Dimensions (W x H x D)</b>	483 mm x 133 mm x 300 mm
<b>Weight</b>	12.5 kg
<b>Power Supply</b>	XRP-POWER-2250
<b>Dimensions (W x H x D)</b>	340 mm x 200 mm x 628 mm
<b>Weight</b>	26 kg
<b>High Voltage Tank (Oil Insulated)</b>	XRP-T160K
<b>Dimensions (W x H x D)</b>	375 mm x 335 mm x 625 mm
<b>Weight</b>	80 kg



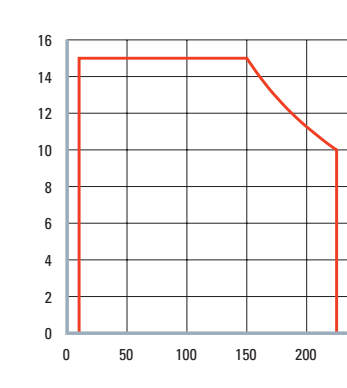
**XRP-160/4500/2**

<b>Voltage range</b>	7.5 – 160 kV
<b>Adjustment increments (minimum step)</b>	0.1 kV/step
<b>Accuracy</b>	+/- 1% of output value +/- 0.1 kV
<b>Reproducibility (at constant temperature)</b>	+/- 0.01% of maximum kV-value
<b>High voltage ripple (with 10 m high voltage cable)</b>	5 V/mA, min. 20 V
<b>Temperature induced drift</b>	80 ppm/°C based on output value
<b>Current range</b>	0 – 45 mA
<b>Adjustment standard range</b>	in 0.05 mA steps from 0.5 mA to maximum value
<b>High resolution range (recommended)</b>	in 0.01 mA steps from 0.0 mA to maximum value
<b>Accuracy (at constant temperature)</b>	+/- 0.2% of output value +/- 0.01 mA
<b>Reproducibility (at constant temperature)</b>	+/- 2 µA
<b>Temperature induced drift</b>	50 ppm/°C of output value (on request 30 ppm/°C possible)
<b>Maximum power</b>	4500 W
<b>High voltage connector type</b>	R24
<b>Control Unit</b>	XRG
<b>Dimensions (W x H x D)</b>	483 mm x 133 mm x 300 mm
<b>Weight</b>	12.5 kg
<b>Power Supply</b>	XRP-POWER-4500
<b>Dimensions (W x H x D)</b>	340 mm x 350 mm x 628 mm
<b>Weight</b>	45 kg
<b>High Voltage Tank (Oil Insulated)</b>	XRP-T160K
<b>Dimensions (W x H x D)</b>	375 mm x 335 mm x 625 mm
<b>Weight</b>	80 kg



**XRP-225/2250/2**

<b>Voltage range</b>	10 – 225 kV
<b>Adjustment increments (minimum step)</b>	0.1 kV/step
<b>Accuracy</b>	+/- 1% of output value +/- 0.1 kV
<b>Reproducibility (at constant temperature)</b>	+/- 0.01% of maximum kV-value
<b>High voltage ripple (with 10 m high voltage cable)</b>	5 V/mA, min. 20 V
<b>Temperature induced drift</b>	80 ppm/°C based on output value
<b>Current range</b>	0 – 15 mA
<b>Adjustment standard range</b>	in 0.05 mA steps from 0.5 mA to maximum value
<b>High resolution range (recommended)</b>	in 0.01 mA steps from 0.0 mA to maximum value
<b>Accuracy (at constant temperature)</b>	+/- 0.2% of output value +/- 0.01 mA
<b>Reproducibility (at constant temperature)</b>	+/- 2 µA
<b>Temperature induced drift</b>	50 ppm/°C of output value (on request 30 ppm/°C possible)
<b>Maximum power</b>	2250 W
<b>High voltage connector type</b>	R28
<b>Control Unit</b>	XRG
<b>Dimensions (W x H x D)</b>	483 mm x 133 mm x 300 mm
<b>Weight</b>	12.5 kg
<b>Power Supply</b>	XRP-POWER-2250
<b>Dimensions (W x H x D)</b>	340 mm x 200 mm x 628 mm
<b>Weight</b>	26 kg
<b>High Voltage Tank (Oil Insulated)</b>	XRP-T225K
<b>Dimensions (W x H x D)</b>	514 mm x 364 mm x 624 mm
<b>Weight</b>	125 kg



**XRP-225/4500/2**

<b>Voltage range</b>	10 – 225 kV
<b>Adjustment increments (minimum step)</b>	0.1 kV/step
<b>Accuracy</b>	+/- 1% of output value +/- 0.1 kV
<b>Reproducibility (at constant temperature)</b>	+/- 0.01% of maximum kV-value
<b>High voltage ripple (with 10 m high voltage cable)</b>	5 V/mA, min. 20 V
<b>Temperature induced drift</b>	80 ppm/°C based on output value
<b>Current range</b>	0 – 30 mA
<b>Adjustment standard range</b>	in 0.05 mA steps from 0.5 mA to maximum value
<b>High resolution range (recommended)</b>	in 0.01 mA steps from 0.0 mA to maximum value
<b>Accuracy (at constant temperature)</b>	+/- 0.2% of output value +/- 0.01 mA
<b>Reproducibility (at constant temperature)</b>	+/- 2 µA
<b>Temperature induced drift</b>	50 ppm/°C of output value (on request 30 ppm/°C possible)
<b>Maximum power</b>	4500 W
<b>High voltage connector type</b>	R28
<b>Control Unit</b>	XRG
<b>Dimensions (W x H x D)</b>	483 mm x 133 mm x 300 mm
<b>Weight</b>	12.5 kg
<b>Power Supply</b>	XRP-POWER-4500
<b>Dimensions (W x H x D)</b>	340 mm x 350 mm x 628 mm
<b>Weight</b>	45 kg
<b>High Voltage Tank (Oil Insulated)</b>	XRP-T225K
<b>Dimensions (W x H x D)</b>	514 mm x 364 mm x 624 mm
<b>Weight</b>	125 kg

