

# High power X-ray module

XWR Series

01.163.02 31-1



## FEATURES

- Wide lineup, 60kV to 130kV / 120W to 260W
- Continuous operation is available.
- Stable X-ray output
- User-friendly operation

## SUMMARY

XWR series is the 2-unit type X-ray module with high-stability power supply and X-ray tube. Compatible high power and compactness by our original thermal design technologies. Suitable for integration to the measurement equipment.

## LINEUP

Anode voltage	MAX	60kV	80kV	100kV	130kV
	MIN	10kV	30kV	30kV	30kV
Beam current		2mA	3mA	2mA	2mA
Max Power		120W	240W	200W	260W
Focal spot size		1mm	1mm	1mm	1mm
Radiation angle		20°	60°	60°	60°
Window material	Glass				
Operation	Continuous				
Dimension WxDxH <small>inch (mm)</small>	Controller unit	8.35×12.99×5.51 (212×330×140)	18.98×24.02×5.24 (482×610×133)	18.98×24.02×5.24 (482×610×133)	18.98×24.02×6.97 (482×610×177)
	X-ray unit	5.12×10.75×6.97 (130×273×177)	8.11×18.90×8.86 (206×480×225)	8.11×18.90×8.86 (206×480×225)	8.11×18.90×8.86 (206×480×225)
Weight (kg approx)	Controller unit	10	15	15	20
	X-ray unit	6	20	20	20
Model		XWR120-60	XWR240-80	XWR200-100	XWR260-130

## SPECIFICATIONS

<b>Input voltage</b>	100VAC to 120VAC 50/60Hz single phase 200VAC to 240VAC 50/60Hz single phase (-L(200V)option)	<b>Protections</b>	Over voltage protection Over current protection Protection against output short-circuit and arc discharge Filament protection Blackout protection Over temperature protection
<b>Output control</b>	Voltage Local : 10-turn potentiometer on front panel Remote : External control voltage 0 to 10Vdc (Input impedance more than 1MΩ) or by external 5kΩ potentiometer Current Local : 10-turn potentiometer on front panel Remote : External control voltage 0 to 10Vdc (Input impedance more than 1MΩ) or by external 5kΩ potentiometer	<b>Other functions</b>	Remote switch ON/OFF Interlock by door switch Output status signal output
<b>Display</b>	Output voltage : 3½-digit digital meter Output current : 3½-digit digital meter LED display of the status of X-ray ON/OFF, STNDBY, INTERLOCK and AGING	<b>Operating temp.</b>	0 to +40°C
<b>Monitor output</b>	Output voltage monitor : 10V/Maximum output voltage (Output impedance 1kΩ) Output current monitor : 10V/Maximum output current (Output impedance 1kΩ)	<b>Storage temp.</b>	0 to +50°C
		<b>Humidity</b>	30% to 80%RH (no condensation)
		<b>Accessories</b>	AC line input cable 2.5m (1) Shielded HV output cable 2.5m (1) Instruction manual (1)

**-L(200V)** 200VAC to 240VAC 50/60Hz single phase input

\*When ordering, suffix the above option number to the model number.

#### Warranty

We warrant that products contained in this catalog (hereinafter, the "Products") are free from defects in material and workmanship under normal use for a period of one (1) year from the date of shipment thereof. However, the warranty period for X-ray detectors and X-ray source shall be either one (1) year from the date of shipment or 1,000 hours, whichever shorter. The above warranty shall not apply to any Product which, at our sole judgment, has been: i) Repaired or altered by persons unauthorized by us; or ii) Connected, installed, adjusted or used otherwise than in accordance with the instructions furnished by us (including being used in an inappropriate installation environment, such as in corrosive gas, high temperature and humidity). We are not liable for any loss, damage or failure of the Products after the shipment thereof caused by external factors such as disasters. If any Product is showed to be defective as satisfactory to us, we, at our sole discretion, repair or replace such defective Products at no cost to the purchaser. We assume no liability to the purchaser or any third party for special, incidental, consequential, or other damages resulting from a breach of the foregoing warranty. This warranty excludes any and all other warranties not set forth herein, express or implied, including without limitation the implied warranties of merchantability or fitness for a particular purpose. The Products are not designed and produced for such applications as requiring extremely high reliability and safety, or involving human lives (such as nuclear power, aerospace, social infrastructure facility, medical equipment, etc.). The use under such environment is not covered by this warranty and may require additional design and manufacturing processes. Regarding RoHS compliance, Matsusada Precision Inc. does not intentionally use objectionable substances in the products listed within this catalog. Matsusada Precision Inc. manufactures products using components which, according to our suppliers, are "RoHS compliant parts". However, Matsusada Precision does not analyze each and every unit to confirm. Therefore, there may be some customized products which do not comply to RoHS. Please contact your nearby sales office for confirmation.



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