

## XXG Series Directional Ceramic Tube X-ray Detector

XXG-1005,XXG-1605,XXG-2005,  
XXG-2505,XXG-3005,XXG-3205,XXG-3505



### ⊕ Introduction

The Gas-filled X-Ray Flaw Detector is an advanced non-destructive testing equipment, which is widely used in machinery manufacturing, petroleum, chemical, textile, aviation, boiler, pressure vessel, metallurgy, shipbuilding, national defense industry, etc. The portable X-ray flaw detector uses an advanced controller. The controller integrates the strengths of domestic and foreign similar instruments, and adopts advanced single-chip microcomputer control system and advanced electronic circuits such as thyristor voltage regulation and thyristor frequency conversion and steady current. This series of flaw detectors has the advantages of small size, light weight, easy operation, stable operation and high reliability.

### ⊕ Technical Specification

Model	Input power capacity (kVA)	Tube voltage KVP	X-ray Tube		X-ray generator			The controller
			Focal Spot Size(mm)	Angle	Size (mm)	Weight (kg)	Max. penetration (mm)	Weight(kg)
XXG—1005	>3	40~100	0.8 x 0.8	40°	190 x 190 x 520	12.5	12	12
XXG—1605	>4	60~160	0.8 x 0.8	40°	225 x 225 x 615	18.5	18	
XXG—2005	>5	100~200	2.0 x 2.0	40°	285 x 285 x 665	24	30	
XXG—2505	>5	150~250	2.0 x 2.0	40°	320 x 320 x 640	30.5	40	11
XXG—3005	>6	170~300	2.3 x 2.3	40°	345 x 345 x 670	36	50	
XXG—3205	>7	180~320	2.3 x 2.3	40°	345 x 345 x 670	37	55	
XXG—3505	>7	180~350	2.8 x 3.0	40°	345 x 345 x 670	36	60	



## Technical Specification

Item	Technical data	
Output	AC power	AC220V±10% 50HZ
	Tube current(average)	5mA
	High voltage transformer input voltage fluctuation	±1%
X-ray generator	cooling method	Forced air cooling
	Insulation method	SF6 Gas insulation
	Safe working pressure(20℃)	0.35Mpa~0.45Mpa
Working conditions	Temperature	-30℃~+40℃
	Relative Humidity	<85%
	Altitude	1000m
Max. penetration condition	Steel	A3(mm)
	focal length	600mm
	Exposure	≤30mAmin
	film	Double-sided lead foil sensitization
	Darkroom treatment	Temperature:20℃±2℃      Development time:5min
	Optical density	D≥2.0
The controller	Size	360mm*300mm*145mm
	Weight	12kg
	Timing error	5min±10%
Working way	Work and rest in 1:1 mode, the maximum exposure time can set up to 9.5 minutes	

## Optional Accessories



Darkroom timer



Darkroom red light



Film storage bag



Groove test block



X-RAY Film viewers



Image quality indicators



Pull ring magnet



Lead markers



Lead markers tape



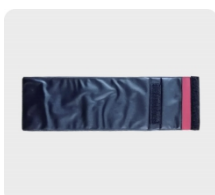
Slicer



Leather bag



X-RAY warning rope



Plastic bag



Patch frame



Cleaning sheet shelf