Beijing Jitai Tech Detection Device Co.,Ltd

XXQ series Directional Glass tube X-ray Detector

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.

The X-ray flaw detector includes the following series of products:

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

Technical indicators

Item		Technical data
	AC power	AC220V±10% 50HZ
Output	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

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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	

Technical Parameter

Model	Input power capacity (kVA)	Tube voltageKVP	X-ray Tube		X-ray generator			The controller
			Focal Spot Size(mm)	Angle	Size(mm)	Weight (kg)	Max. penetration (mm)	Weight(kg)
XXQ—1005	>4	50~100	0.8*0.8	40°	190*190*520	11.4	8	12.5
XXQ—1605	>4	60~160	0.8*0.8	40°	225*225*585	17.7	18	
XXQ—2005	>5	100~200	1.5*1.5	40°	285*285*665	24	30	12
XXQ—2505	>5	150~250	2.0*2.0	40°	320*320*730	35	40	
XXQ—3005	>6	170~300	2.3*2.3	40°	345*345*830	46	50	11
XXQ—3205	>7	180~320	2.3*2.3	40°	345*345*830	47	55	
XXQ—3505	>7	180~350	2.8*3.0	40°	345*345*800	43.5	60	

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XXG series Directional Ceramic tube X-ray Detector

Introduction

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The X-ray flaw detector includes the following series of products:

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

Technical indicators

Item		Technical data
	AC power	AC220V±10% 50HZ
Output	Tube current(average)	5mA
	High voltage transformer input voltage fluctuation	±1%
X-ray generator	cooling method	Forced air cooling
	Insulation method	SF6 Gas insulation

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	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	

Technical Parameter

Model	Input power capacity (kVA)	Tube voltageKVP	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*0.8	40°	190*190*520	12.5	12	12
XXG－1605	>4	60~160	0.8*0.8	40°	225*225*615	18.5	18	
XXG－2005	>5	100~200	2.0*2.0	40°	285*285*665	24	30	12
XXG－2505	>5	150~250	2.0*2.0	40°	320*320*640	30.5	40	
XXG－3005	>6	170~300	2.3*2.3	40°	345*345*670	36	50	11
XXG－3205	>7	180~320	2.3*2.3	40°	345*345*670	37	55	
XXG－3505	>7	180~350	2.8*3.0	40°	345*345*670	36	60	

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XXHZ series Panoramic Cone target Glass tube X-ray Detector

Introduction

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The X-ray flaw detector includes the following series of products:

XXH-1005z,XXH-1605z,XXH-2005z,XXH-2505z,XXH-3005z,XXH-3205z,XXH-3505z

Technical indicators

Item		Technical data
	AC power	AC220V±10% 50HZ
Output	Tube current(average)	5mA
	High voltage transformer input	±1%

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	voltage fluctuation	
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	

Technical Parameter

Model	Input power capacity (kVA)	Tube voltageKVP	X-ray Tube		X-ray generator			The controller
			Focal Spot Size(mm)	Angle	Size(mm)	Weight (kg)	Max. penetration (mm)	Weight(kg)
XXH—1005Z	>4	50~100	1.0*3.5	30°	190*190*520	11.5	4	12.5
XXH—1605Z	>4	60~160	1.0*3.5	30°	225*225*585	17	12	
XXH—2005Z	>5	100~200	1.0*3.5	30°	285*285*665	23	24	12
XXH—2505Z	>5	150~250	1.0*2.4	30°	320*320*730	33	34	
XXH—3005Z	>6	170~300	1.0*2.3	30°	345*345*830	42	40	11
XXH—3205Z	>7	180~320	1.0*2.3	30°	345*345*830	43	45	

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XXH—3505Z	>7	180~350	1.0*5.0	40°	345*345*800	43	50	

XXGHZ series Panoramic Cone target Ceramic tube X-ray Detector

Introduction

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The X-ray flaw detector includes the following series of products:

XXGH-1605z,XXGH-2005z,XXGH-2505z,XXGH-3005z,XXGH-3205z,XXGH-3505z

Technical indicators

Item		Technical data
	AC power	AC220V±10% 50HZ
Output	Tube current(average)	5mA
	High voltage transformer input	±1%

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	voltage fluctuation	
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	

Technical Parameter

Model	Input power capacity (kVA)	Tube voltageKVP	X-ray Tube		X-ray generator			The controller
			Focal Spot Size(mm)	Angle	Size(mm)	Weight (kg)	Max. penetration (mm)	Weight(kg)
XXGH—1605Z	>5	100~200	1.0*3.5	30°	285*285*665	23	24	12
XXGH—2005Z	>5	100~200	1.0*3.5	30°	285*285*665	23	24	12
XXGH—2505Z	>5	150~250	1.0*2.4	30°	345*340*730	33	34	
XXGH—3005Z	>6	170~300	1.0*2.3	30°	345*345*830	41	40	11
XXGH—3205Z	>6	170~300	1.0*2.3	30°	345*345*830	41	40	
XXGH—3505Z	>6	170~300	1.0*2.3	30°	345*345*830	41	40	

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XXH series Panoramic Flat target Glass tube X-ray Detector

Introduction

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The X-ray flaw detector includes the following series of products:

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

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Technical indicators

Item		Technical data
	AC power	AC220V±10% 50HZ
Output	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	

Technical Parameter

Model	Input power capacity (kVA)	Tube voltageKVP	X-ray Tube		X-ray generator			The controller
			Focal Spot Size(mm)	Angle	Size(mm)	Weight (kg)	Max. penetration (mm)	Weight(kg)
XXH—1005	>4	50~100	1.0*3.5	25°	190*190*520	11.5	6	12.5
XXH—1605	>4	60~160	1.0*3.5	25°	225*225*585	17	15	
XXH—2005	>5	100~200	1.0*3.5	25°	285*285*665	23	27	12
XXH—2505	>5	150~250	1.0*2.4	25°	320*320*730	33	37	
XXH—3005	>6	170~300	1.0*2.3	25°	345*345*830	41	47	11
XXH—3205	>7	180~320	1.0*2.3	25°	345*345*830	43	50	
XXH—3505	>7	180~350	1.0*5.0	25°	345*345*800	43	55	

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XXGH series Panoramic Flat target Ceramic tube X-ray Detector

Introduction

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The X-ray flaw detector includes the following series of products:

XXGH-1605,XXGH-2005,XXGH-2505,XXH-3005,XXGH-3205,XXGH-3505

Technical indicators

Item		Technical data
	AC power	AC220V±10% 50HZ
Output	Tube current(average)	5mA
	High voltage transformer input voltage fluctuation	±1%
X-ray generator	cooling method	Forced air cooling
	Insulation method	SF6 Gas insulation

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	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	

Technical Parameter

Model	Input power capacity (kVA)	Tube voltageKVP	X-ray Tube		X-ray generator			The controller
			Focal Spot Size(mm)	Angle	Size(mm)	Weight (kg)	Max. penetration (mm)	Weight(kg)
XXGH—1605	>5	100~200	1.0*3.5	25°	285*285*665	23	27	12
XXGH—2005	>5	100~200	1.0*3.5	25°	285*285*665	23	27	12
XXGH—2505	>5	150~250	1.0*2.4	25°	320*320*730	33	37	
XXGH—3005	>6	170~300	1.0*2.3	25°	345*345*830	41	47	11
XXGH—3205	>6	170~300	1.0*2.3	25°	345*345*830	41	47	
XXGH—3505	>6	170~300	1.0*2.3	25°	345*345*830	41	47	

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