

VARIABLE FREQUENCY PORTABLE X-RAY FLAW DETECTORS

- High immunity to interference, especially for generator-powered operation
- Quick and accurate selection of exposure parameters by knob, easy to operate
- Delayed high-voltage activation allows operator to evacuate hazards in time
- Slow rise and fall of the high voltage protects the X-ray generator
- Auto work-rest in 1:1 mode, max continuous exposure 5 minutes
- Training mode available to prevent X-ray generator damage from long-term inactivity
- Over-voltage, over-current, under-current, over-temperature protection, to avoid machine damage
- Digital tube to display exposure time and fault code
- Stronger and lighter structure design, easy to operate in the field



RXT-HC020A



control console (included)



warning light (included)



power cable (included)

SPECIFICATION

X-ray generator	cooling method	forced air cooling
	insulation method	SF ₆ gas insulation
	safe work pressure (20°)	0.35Mpa~0.45Mpa
Maximum penetration thickness conditions	steel plate, aluminum plate	A3 (297×420mm)
	focal length	600mm
	exposure time	5min
	film	general, double-sided lead foil sensitized screen
	darkroom processing	temperature: 20°C±2°C, developing time: 5min
	blackness	D≥1.5
X-ray tube current (average)		5mA
High voltage transformer input voltage fluctuation		±1%
Working environment	temperature	-20~50°C
	relative humidity	≤85%
	altitude	≤1000m
Control console	timing error	5min±5%
	size (LxWxH)	228×140×45mm
Power supply		AC220V±10V, 50Hz

CIRCUMFERENTIAL PORTABLE X-RAY FLAW DETECTOR (CORRUGATED CERAMIC X-RAY TUBE)

Code	Input	Focus size	Radiation angle		Conical target	Flat target	Generator size	Generator weight
			Conical target	Flat target				
RXT-HC020A	2.0kW	1.0×5.0mm	30×360°	25°×360°	24mm	27mm	285×285×615mm	23kg
RXT-HC025A	2.5kW	1.0×5.0mm	30×360°	25°×360°	24mm	27mm	325×325×705mm	35kg
RXT-HC030A	3.0kW	1.0×5.5mm	30×360°	25°×360°	24mm	27mm	345×345×715mm	41kg

CIRCUMFERENTIAL PORTABLE X-RAY FLAW DETECTOR (GLASS SHELL X-RAY TUBE)

Code	Output voltage	Input	Focus size	Radiation angle		Maximum penetration Q235		Generator size	Generator weight
				Conical target	Flat target	Conical target	Flat target		
RXT-GS010A	60~100kV	1.2kW	1.0×3.5mm	30+5°	25+5°	4mm	6mm	190×190×530mm	11.1kg
RXT-GS016A	80~160kV	1.5kW	1.0×3.5mm	30+5°	25+5°	12mm	15mm	225×225×585mm	15kg
RXT-GS020A	100~200kV	2.0kW	1.0×3.5mm	30+5°	25+5°	24mm	27mm	285×285×665mm	21.5kg
RXT-GS025A	150~250kV	2.5kW	1.0×2.4mm	30+5°	25+5°	34mm	37mm	320×320×730mm	33.5kg
RXT-GS030A	170~300kV	3.0kW	1.0×2.3mm	30+5°	25+5°	44mm	47mm	345×345×830mm	40kg

DIRECTIONAL PORTABLE X-RAY FLAW DETECTOR (CORRUGATED CERAMIC X-RAY TUBE)

Code	Output voltage	Input	Focus size	Radiation angle	Maximum penetration Q235	Generator size	Generator weight
RXT-HC016B	80~160kV	1.5kW	0.8×0.8mm	40+5°	19mm	225×225×550mm	14.5kg
RXT-HC020B	100~200kV	2.0kW	2.0×2.0mm	40+5°	30mm	285×285×615mm	18kg
RXT-HC025B	150~250kV	2.5kW	2.0×2.0mm	40+5°	40mm	320×320×640mm	30.5kg
RXT-HC030B	170~300kV	3.0kW	2.5×2.5mm	40+5°	50mm	345×345×670mm	36.5kg
RXT-HC035B	180~350kV	3.5kW	2.5×2.5mm	40+5°	60mm	345×345×670mm	38kg

DIRECTIONAL PORTABLE X-RAY FLAW DETECTOR (GLASS SHELL X-RAY TUBE)

Code	Output voltage	Input	Focus size	Radiation angle	Maximum penetration Q235	Generator size	Generator weight
RXT-GS010B	60~100kV	1.2kW	0.8×0.8mm	40°	8mm	190×190×530mm	11.1kg
RXT-GS016B	80~160kV	1.5kW	0.8×0.8mm	40°	19mm	225×225×585mm	15.2kg
RXT-GS020B	100~200kV	2.0kW	1.5×1.5mm	40+5°	30mm	285×285×665mm	23kg
RXT-GS025B	150~250kV	2.5kW	2.0×2.0mm	40+5°	40mm	320×320×730mm	35kg
RXT-GS030B	170~300kV	3.0kW	2.3×2.3mm	40+5°	50mm	345×345×830mm	45.5kg

STANDARD DELIVERY

Main unit	1pc
Control console	1pc
Power cable	2pcs
Grounding cable	1pc
Warning light	1pc
Center Indicator (Direction Finder)	1pc
Lead type	1pc
Image quality meter	1pc
Dark bag	5pcs
Intensifying screen	5pcs
Fuse tube	10pcs