



## Industrial X-ray Flaw Detectors

1. **Name:** Frequency conversion gas insulated Portable x-ray Flaw Detectors
2. **Model:** XXG-2005 (With ceramic x-ray tube)
3. **Manufacturer:** Dandong Aolong Radiative Instrument Co., Ltd.
4. **Equipment picture:**



### 5. Main character:

- Compact x-ray generator, anode grounded, forced air cooling
- Light weight, portable, easy to use
- The ratio of the exposure fine to the stop time is 1:1
- High voltage ,time delay function protects the operator from radiation
- Strictly controlled the production techniques, nice sculpt, reasonable design.

### 6. Main configuration:

I .Directional ceramic X-ray tube	1Pcs	200KV, 5mA	AOLONG
II .Generator (included above tube)	1nos		AOLONG
III. Interconnection cable with two plugs	1Pcs	25 Meters	AOLONG
IV . T4777 model Controller	1nos		AOLONG
V .Power supply cable with one plug	1Pcs	10 Meters	AOLONG
VI. Grounding cable	1Pcs	5 Meters	AOLONG
VII. Accessories bag	1Pcs		AOLONG

(Including: alarm lamp, 1 Pcs; lead letter, 1 box; dark bag, 5 Pcs; intensifying screen, 5 Pcs; Image quality indicator, 1 set; fuse, 1 set; Center indicator: 1 Pcs)

### 7. Main technical parameter:

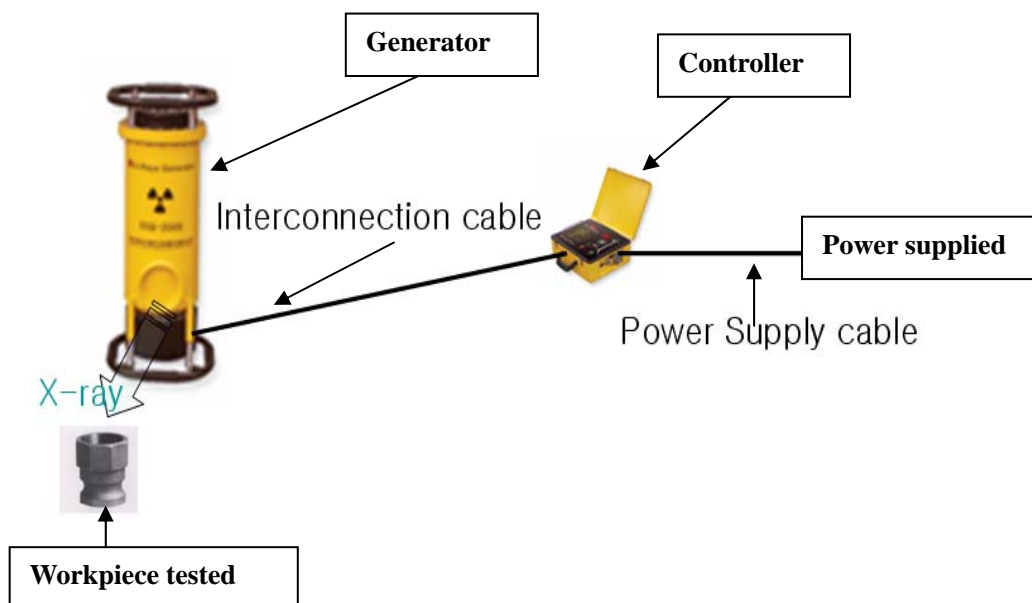
- I .Output voltage range: 100~200KV, Continuously adjustable
- II .Power supply:  $220 \pm 10\%$  VAC, 50Hz
- III. Tube current: 5mA
- IV. Focus spot size:  $2.0 \times 2.0$ mm
- V . Beam angle:  $40 \pm 5^\circ$
- VI. Photography condition:  
Focus 600mm; expose time 5 minters; double-face lead intensifying.
- VII. Transmission sensitivity:  $< 1.5\%$
- VIII. Film density:  $> 1.5$
- IX. Max penetration thickness: 30mm (A3 steel)
- X. Dimension and weight:  
Generator:  $285 \times 285 \times 615$ mm/18kg  
Controller:  $365 \times 300 \times 165$ mm/12.6kg



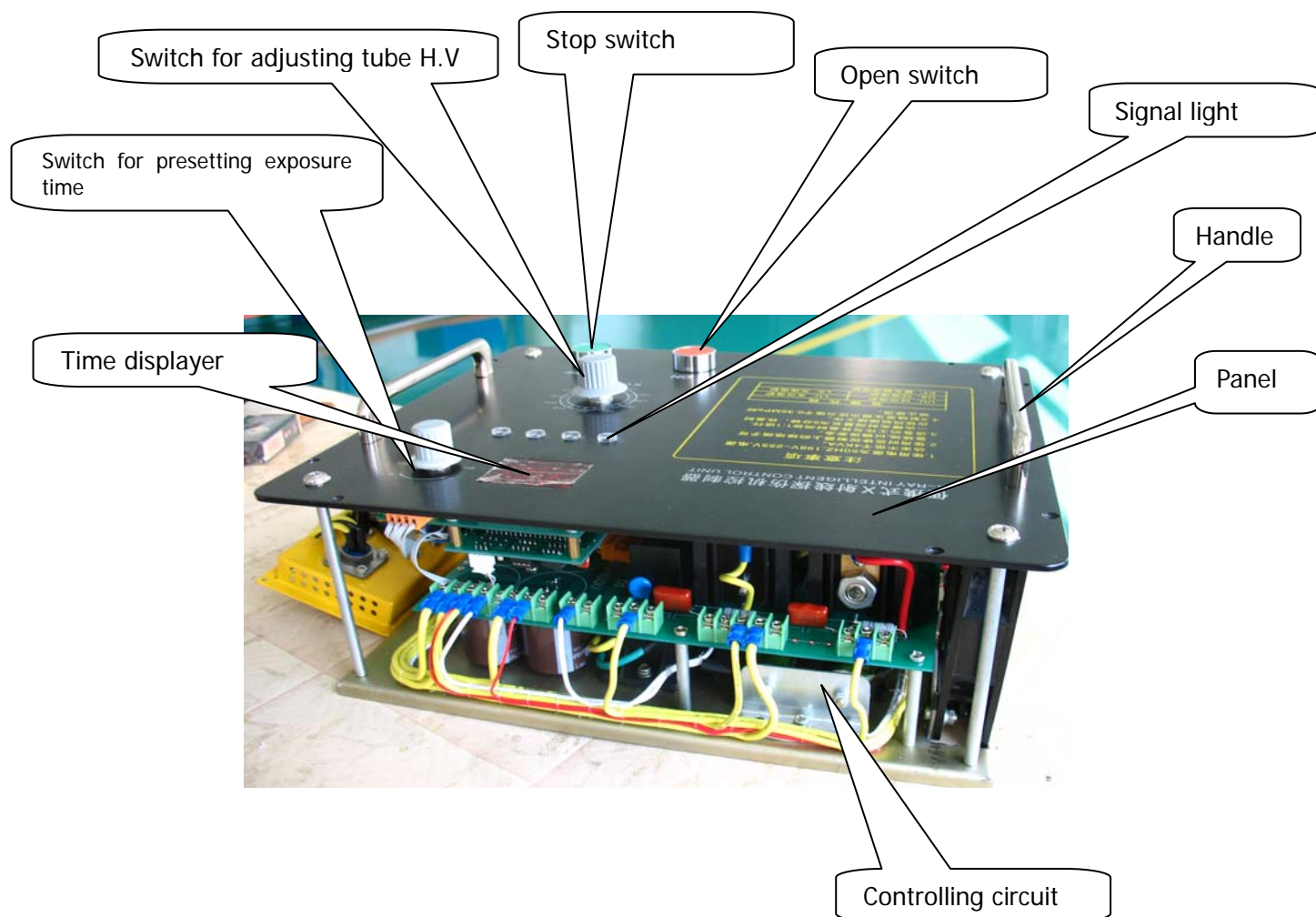
T4777 controller picture



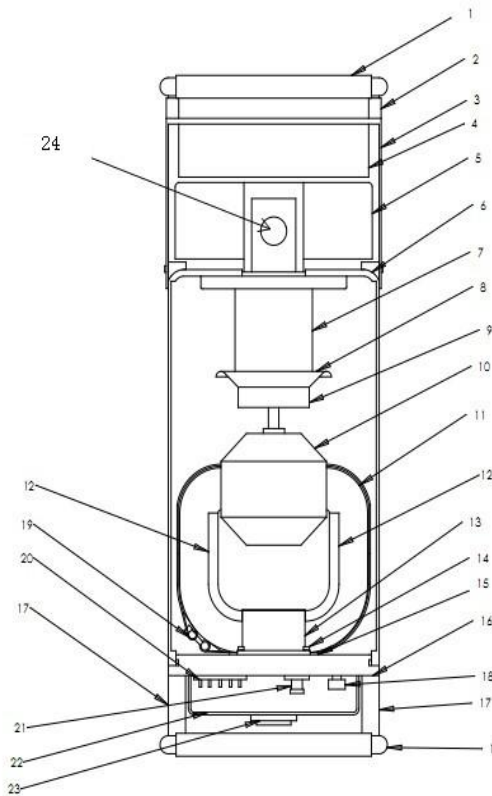
## 8. The working scheme of whole machine



## 9. The drawings of controller

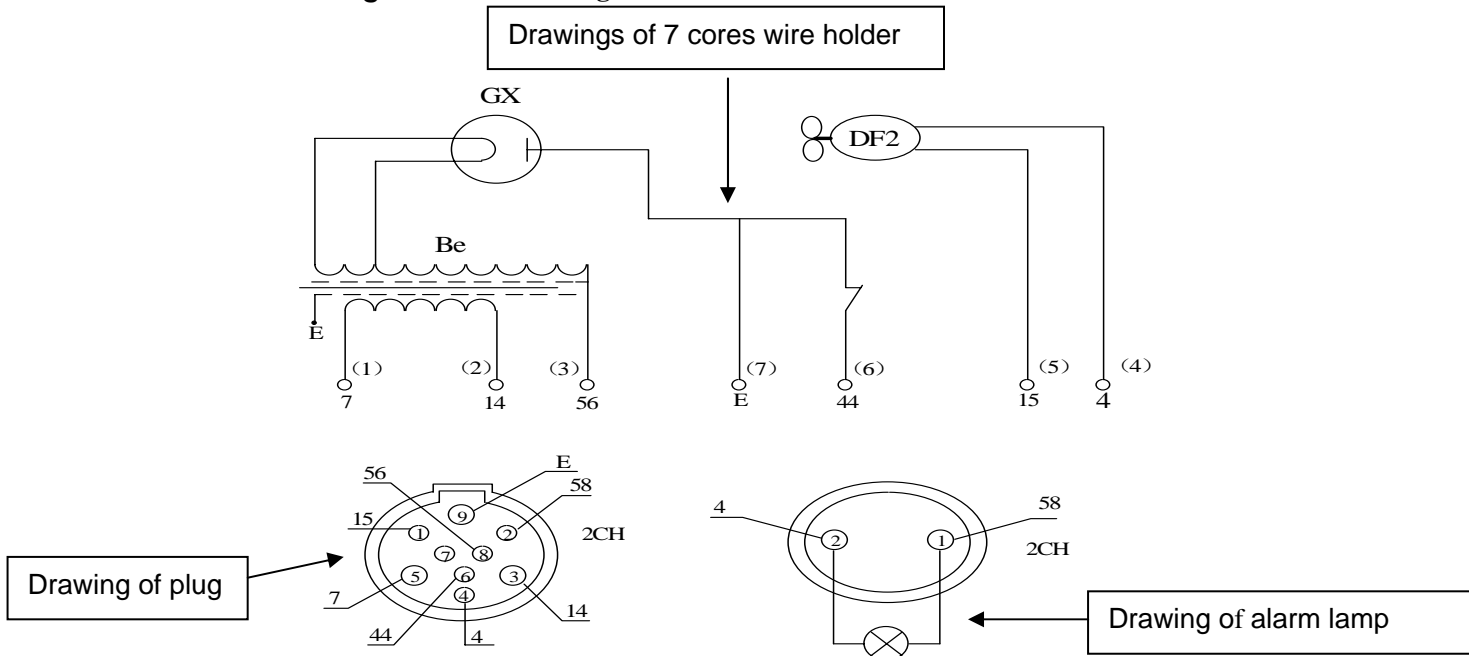


## 10. The drawings of generator



1. Handle
2. Absorber (head)
3. Cover of fan
4. Fan
5. Hat sink
6. Container of tube
7. Tube inserted
8. Cover area of tube inserted
9. Cover of tube cathode
10. H.V coil
11. Iron core
14. Bolt
15. Absorber mat for iron core
16. Cover of machine
17. Absorber (bottom)
18. Pressure gage
19. Wire tie of iron core
20. 7 cores wire holder
21. Aerator tank
22. Cover of tube anode
23. Socket of cable
24. Ray window

#### 11. The drawing of interconnecting link



**Many thanks for your attention, pls contact us: Mr. Charles**

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