



X-ray Generator, INSPECTOR Model XRS 3

Art.-No.: 150192

Approval-No.: BFS 01/11 R RoeV, ELP (PTB Braunschweig, Germany), CE-Compliance: Sept.2011
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Application:

*Bomb Detection • Luggage and parcel inspection • Drug searches • Arms searches •
Customs and frontier inspections • Inspection of cavities, partitions etc. for bugs,
microphones and wiring.*

The XRS-3 is a unique X-ray source that combines the penetrating power of a heavy industrial type X-ray machine with an incredible lightweight and compact design associated with less powerful machines. This battery powered pulsed X-ray source weighs less than 5,5 kg, yet produces 250 – 300 kV. ("NG" stands for new generation)

The XRS 3 features a back lit display, all control switches are membrane switches all in one area on top of the control module. The software allows individual default settings of pulses whilst still in distanced from the object.

To operate the XRS-3 clear the designated safety area, attach a charged battery, set the number of pulses, and fire the unit. A high quality X-ray image can be viewed immediately when using a digital imaging system (as DiXcam Art.-No. 170040) or within 1-2 minutes when using digital image Plate systems (DIMAP® Art.-No. 150197). The XRS-3 is similar in form and function to the XR200 X-ray source making the transition between the two units very simple.

The XRS-3 contains no radioactive materials; the unit produces radiation only while pulsing. Strategically placed internal shielding minimizes the amount of radiation leakage outside the X-ray beam. A 15/60 second time delay button and a 6,5 m remote firing cable allow the user to stay in safe distance from the unit while it pulses.

The XRS-3 is a light duty X-ray machine and requires little maintenance. The modular design makes component replacement easy and cost effective. The De-Walt 14,4 V battery and battery charger may be purchased at retail stores around the world.

Tech. Specification

Dimensions: 317,5 mm x 115 mm x 190 mm (LxWxH)
Weight incl. battery: 5,5 kg
Power supply: 14,4 V NiCd De-Walt®
Battery recharge timer: 1 h
Output dose: 2, 5 mR ± 0,5 (305 mm in distance)
Pulse rate: 15/s nominal
X-ray pulse width: 50 nanoseconds
Max. duty cycle: 200 pulses every 4 minutes (300/h)
Max. radiation: 300 keV
X-ray source size: 3 mm
Time delay: 15/60 s

Controls

- ON/off Key switch
- Delay switch: 15 or 60 s delay
- Pulse-selector (LCD)
- Warning light
- Plug for remote trigger cable/video image system
- Operational indicator light

Warranty: 1 year

System kit (150192)

consisting off:

Generator, carrying case, remote trigger cable
2 rechargeable batteries ROHS, Battery charger ROHS (220 V), Tripod mount

Specification subject to change without notice.

ATTENTION!
With effect of 01.01.1010 X-ray generators are not allowed to be sold in the EU with batteries not complying with ROHS
ELP GmbH strictly enforces ROHS regulations its products!