

XRS-3 X-Ray Source



- New Electronics Package Including Sealed Membrane Switch
- User Selectable Default Pulse Setting
- Backlit LCD
- Penetrates up to 1" of Steel
- Optional Thumbwheel Key
- Fully Battery Powered

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XRS-3

X-Ray Source

The XRS-3 is a light duty X-ray machine that requires little maintenance. The modular design makes component replacement easy and cost effective. The DeWalt® 14.4V battery and battery charger are commercially available in retail stores worldwide.

Lead shielding in the XRS-3 protects the user by minimizing radiation leakage outside of the X-ray beam while a time delay button and remote cable allow the operator to move a safe distance from the unit when it is in operation. Visual and audible indicators in the unit alert the operator when the XRS-3 is activated. Also, the XRS-3 contains no radioactive material. The unit produces radiation only when it is pulsing.



Specifications

Size (Including battery pack)	14" (35.6 cm) x 4.5" (11.5 cm) x 7.5" (19.0 cm)
Weight (Including battery pack)	12lbs (5.4kg)
Output dose	4.0 mR/pulse max, 2.6 mR/pulse min, measured 12 inches from source
Pulse rate	15 pulse per second nominal
X-ray source size	1/8 in. (3 mm)
Maximum photon energy	270 KVP
X-ray pulse width	50 nanoseconds
Current draw	20 amps @ 13.4 volts
Power supply	DeWalt® 14.4 volt, removable, rechargeable, nickel-cadmium battery
Battery recharge time	1 hour with standard DeWalt® charger, 15 minute charger available
Number of pulses per battery charge	4000
Temperature range	-10 to 120 degrees F (-23 to 50 degrees C)
Maximum duty cycle	200 pulses every 4 minutes (3000 pulses per hr)
Warm-up	None required
X-ray leakage	3 mR per 100 pulses measured 2 inches behind the unit
Warranty	1 year limited warranty



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