

Golden Engineering XR150



The XR150 is a 150kV, battery powered, pulsed X-ray machine used primarily for security applications. The XR150 has been modified from its original version in 1993 three times, its latest modification in 2016. The updated design greatly enhances the user interface capabilities and adds the DeWalt battery pack. At 150 kV, it can penetrate approximately one-half inch of steel when used with one of our CR imaging systems, giving the XR150 plenty of power for most applications where portability is a requirement.

The XR150 is the smallest portable X-ray machine in the Golden Engineering product line at 9" x 3" x 4" (23 x 7.7 x 10 cm) and just under 5 pounds. This sleeker design makes it easier to slip the XR150 into your pocket. Multiple connection points allow operators to use various fasteners to attach the XR150 to belts, zippers or packs.

The menu-based electronics allow operators to enter up to 999 counts in multiple pulse trains. Operators can also slow the pulse rate and even pulse the generator continuously at a slower rate. A life time counter displays the total number of pulses fired on the generator and a resettable pulse counter can track the number of pulses from a certain event. The XR150 can fire approximately 2000 counts per battery charge on a DeWalt 12V lithium Ion battery than charges in 40 minutes.

Key Features & Benefits:

Features:

- Pulse setting up to 999 counts
- Program countdown delay timing (5 – 240 seconds)
- Set multiple pulse trains
- Select time delay between pulse trains
- Records total life pulses on source
- Resettable pulse tracker
- Select 1 or 3 pulses per count in software
- Variable pulse rate (1 pulse per second or slower)
- DeWalt battery and charger (110VAC and 220VAC available)
- Retro-fit existing XR150 Generators
- 21mm Picatinny Rail option for mounting accessories
- Battery charges in 40 minutes
- Easy grip housing with removable handle
- Threaded insert for tripod
- Tie off points for custom handles and fasteners



Dimensions

Height	4.07" (10.34cm)
Width	3.03" (7.70cm)
Length	9.08" (23.06cm)



Highly Portable:

- Source with battery is 20% lighter than previous versions
- Kit weighs 13.4 lbs.; 32% less than previous versions
- Compact case size is 35% smaller in volume – 17" x 7" x 13"
- Battery weighs less than 0.5 lbs. (0.23 kg)



Specifications:

Power:	DeWalt 12V Li-Ion Battery
Output Dose:	Avg. 3.1 mR / count, measured 12" from source
Pulse Rate:	4 counts per second
Counts per Charge:	1700 counts (5100 pulses)
Source Size:	1/8" (3 mm)
Max Photon Energy:	150 kVp
Pulse Width:	50 nanoseconds
Beam Angle:	40 degree standard
Battery Recharge Time:	40 minutes
Current Draw:	6.8 amps
Max Duty Cycle:	100 counts (300 pulses) per 4 minutes
Dimensions:	9" x 3" x 4" (23 x 7.7 x 10 cm)
Weight:	4.7 lbs. (2.13 kg) including battery