

# GamCPR

CLOSE PROXIMITY RADIOGRAPHY

CPR is “The conducting of radiography in close proximity to authorized radiation workers, members of the public or radiation sensitive monitoring devices in such a way as to ensure continuous operations”.

CPR is achieved by utilizing a system of X-ray or Gamma emitting devices incorporating specific collimation with rigid and / or flexible shielding to reduce the Primary Beam and scattered radiation to safe levels at the desired barrier distance.



Your NDT partner



# GamCPR

## Close Proximity Radiography



### EXERTUS SELEN CIRCA 80/1 (STANDARD)

#### Exertus Selen Circa 80 Isotope projector

<b>Basic Construction Standards</b>	ISO 3999 compliant
<b>Isotopes</b>	Se-75 under special form Se-75 half-life : 119.8 days
<b>Activity</b>	Se-75 : 2.96TBq (80Ci)
<b>Surface Dose Rate</b>	Max 2mSv/h
<b>Total Weight</b>	8.8kg (19.4lb)
<b>Tungsten Weight</b>	5kg (11lb)
<b>Dimensions (LxWxH)</b>	203 x 110 x 191mm

### CP80 COLLIMATOR

<b>Weight</b>	10kg
<b>Attenuation</b>	Se-75 : 0.007
<b>Half Value Layers</b>	Se-75 : 7.2
<b>Beam Size</b>	38° Conical, side throw
<b>Material Type</b>	Tungsten Heavy Alloy
<b>Aperture</b>	CP80 Aperture 11 x 11mm CP80 Aperture 11 x 37mm CP80 Aperture 18 x 18mm CP80 Aperture 20 x 32mm

### SHIELDING MATS / GUIDE TUBES

<b>Dimensions</b>	915 x 305 x 9.5mm / 305 x 305 x 12.7mm
<b>Shielding</b>	Equivalent to 3.3 mm Pb
<b>Weight</b>	10.8kg (approx) or 4kg
<b>Temperature Range</b>	-85° to 200°C

Flexible Tungsten Shielding Guide Tube 500mm

### FEATURES

Safe working distance can be reduced to 1m\* radius

Light weight portable Se-75 Gamma-Ray Projector

Improved radiographic productivity (24 hour production)\*

Versatile (adaptable for contact or ellipse shots)

Flexible Radiation Shielding Mats

Easily adjustable Clamps & Stands

\* Depending on source strength and number of Shielding Mats used.  
\* As you can do radiography while other factory functions are happening in the area.

### OPTIONAL ACCESSORIES

See detailed kit options

Customised lengths of Shielded Guide Tubes

Custom moulded shielding can be made to requirements

Laser Pointer to determine focal point

Your **NDT** partner



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