



## TECHNICAL DATASHEET RID-SE4P PROJECTOR

The RID-SE4P is a gamma ray projector with an extremely low weight of 7,2 kg. This projector can be loaded with a maximum of 120Ci of Se-75 sealed source. Because safety is important for us, the RID-SE4P projector has been designed to comply with the latest versions of the national and international safety standards including ISO 3999.

The use of Se-75 radiation source yields improved image quality. Compare to Ir-192, the longer half-life of Se-75 isotope as well as the possibility to use it in a smaller control area allow important cost saving for the use of these kind of devices.

The Se-75 gamma ray spectrum covers the energy range from 66 keV to 401 keV. The radiation characteristics are between Yb-169 towards the lower energies, and Ir-192, towards the higher energies.

This makes Se-75 the ideal choice for gamma radiography for a steel wall thickness range of approximately 5 to 30 mm.

### **SPECIFICATIONS:**

Basic Construction Standard  
ISO 3999 compliant

Isotopes  
Se-75 under special form  
Se-75 half-life: 119.8 days

Activity  
Se-75: 4.44 TBq (120 Ci)

Surface Dose Rate  
Max. 2 mSv/h

Total Weight  
7,2 kg

Depleted Uranium Weight  
2,7 kg

Dimensions  
Length: 220 mm  
Width: 100 mm  
Height: 175 mm

