

Exertus® ITS 81 / 135



The *EXERTUS*® ITS 81 and ITS 135 Projectors have the ability to accept Iridium 192 sources or Selenium 75 sources.

These projectors incorporate design and safety features that make them exible, compact and lightweight. The Projectors are lighter than most of their competitors. They incorporate tungsten source channels and radiation labyrinths which makes maintenance easier.

The labyrinth design also allows smoother movement of the source assembly inside the device, making it easier for the operator and improving safety.

The Exertus ITS projectors are ISO3999: 2004 compliant.

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Exertus[®]

ITS 81 / 135



TECHNICAL SPECIFICATIONS

Basic Construction Standards	ISO 3999: 2004 Compliant
Isotopes	Ir-192 or Se-75 under special form
Ir-192 half life	73.8 days
Se-75 half life	119.8 days
ACTIVITY	
Ir-192	ITS81: 3TBq(81Ci) / ITS135: 5TBq(135Ci)
Se-75	ITS81: 7.4Tbq(200Ci) / ITS135: 7.4Tbq(200Ci)
Surface Dose Rate	Max. 2mSv/h
Total Weight	ITS81: 21.5kg (47.4 lb) / ITS135: 23kg (50.7 lb)
DU Weight	ITS81: 11kg (24.2 lb) / ITS135: 13kg (28.7 lb)
DIMENSIONS	
Length	350 mm (13.8")
Width	132 mm (5.2")
Height	222 mm (8.7")
MATERIAL USED	
Outer Shell	Stainless 304
Shielding	Depleted Uranium
Source Channel	Tungsten Heavy Alloy
Type	B(U) Certified

ACCESSORIES

Reel type or pistol grip remote controls - lengths: 7.62m, 10m, 15m

Guide tubes - lengths: 1m to 10m; 2.1m and 3m standard

Source terminals

Collimators - Various Directional and Panoramic

Standard and Industrial packages available

GPS Tracking System ready

FEATURES

Automatic Source Assembly Locking Mechanism is triggered by the front of the Source Assembly, thus ensuring that the Projector can only be locked and disconnected with Source in the Safe Position Two colour signal safety indicator



Source Assembly is in the secured position



Source Assembly Locking Mechanism is released and ready to expose.

Accepts Ir-192 or Se-75

Tungsten source channel and radiation labyrinth

Compact design

User friendly operation

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contact@oserix.com | www.oserix.com