SENTINEL™

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Technical Specifications

Model
1075 **SCAR***Pro*

Primary Applications
Industrial Gamma Radiography
Small **C**ontrolled **A**rea **R**adiography

Dimensions

	SCAR	Projector
Length	11.20 in (284 mm)	11.50 in (292 mm)
Width	6.00 in (152 mm)	
Height	7.25 in (184 mm)	

Weight

1075 **SCAR***Pro**	37 lb (16.8 kg)	32 lb (14.5 kg)
Incl. Overpack	60 lb (27.2 kg)	

Materials
Tungsten shield with built in source path, Stainless Steel, Aluminum, and Polyurethane

Isotope
Selenium-75

Gamma Energy Range
66-401 keV

Half-Life
120 Days

Maximum Source Capacity
81 Ci (3 TBq) of Selenium-75

Source Assembly
Model A425-6

Controls and Guide Tubes
1075 **SCAR***Pro* Projectors are designed, manufactured and approved for use with SENTINEL™ authorized controls and accessories only.

Operating Temperature Range
-40° F to 300° F (-40° C to 149° C)

Transport Approvals
Type A within Model 1075A overpack meets 49 CFR173 and IAEA TS-R-1 (2009).

*__SCAR__*Pro* weight listed above is actual weight. **SCAR***Pro* weight listed in manual is a maximum.

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SCAR*Pro*

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SCAR*Pro*

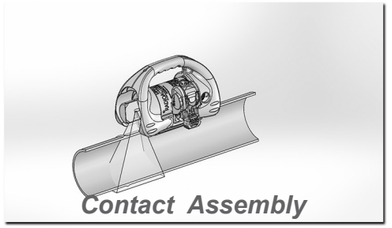
Minimize Exclusion Zones

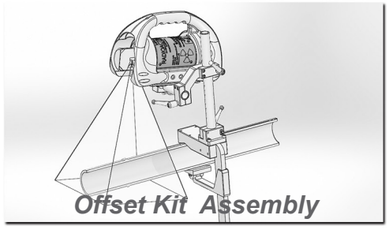
Accelerate Turnarounds

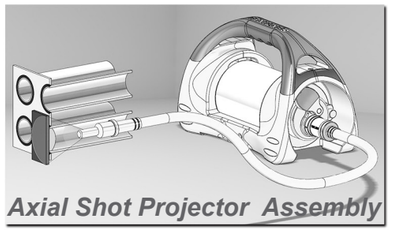
Improve Plant Safety

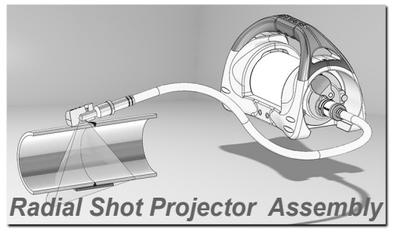
Reduce Operator Dose

Increase Productivity









SENTINEL™ Model 1075 **SCAR***Pro* is the latest innovation from QSA Global, Inc., the industry leader in gamma radiography. Founded on field proven technology, the 1075 **SCAR***Pro* continues the SENTINEL™ reputation for safety and reliability. **SCAR***Pro* is a valuable asset in your NDT toolbox, which can be used as a category I or II exposure device. When used in SCAR mode (category I), the **SCAR***Pro* allows radiography to be performed in congested work areas with a minimal distance to the controlled areas. When used as a traditional projector (category II), standard SENTINEL™ source guide tubes and collimators allow the Selenium-75 source to be used for axial, radial and panoramic exposures.

Exposure Device

Model 1075 **SCAR***Pro* is a single exposure device that enables both **S**mall **C**ontrolled **A**rea **R**adiography and traditional projection radiography. A standard guide tube port can be changed to a SCAR collimator quickly and safely in the field.

SCAR

An intergrated collimator enables safe radiography in areas congested with workers.

Projector

A standard guide tube attachment with an ISO 3999 compliant interlock enhances the safety of traditional projection radiography. Model 1075 **SCAR***Pro is* designed, manufactured and approved for use with SENTINEL™ authorized controls and accessories only.

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