Exposure Calculator

Automatic Pre-Calculation of the Exposure Time with Radiography

Inspection Technologies	❷ ◆ 職
Testing class: 🗛 💌	acc. to EN 1435
Material: steel Juitside diameter [mm]: 0.00 Nominal thickness [mm]: 12,00 Density (nominal): 2,30	Max. tube voltage [kV]: 200 Acceptable isotope: Yb 169 Se 75 (Ir 192) Distance fmin. [mm]: 118
Type of joint: Fillet weld Image: Change image Bild 17	Image quality value: 12 () Minimum of exposures II:0 Min. density: 2,0 Film system class: C5 Front screen: Pb 0,02 to 0,15 mm Back screen: Pb 0,02 to 0,15 mm Step no:7
quipment parameters diation Source : ERESCO 42MF cal spot size: 3.00 [mm] diation Source : 4.5 be current: [mA] 4.5 e voltage [keV] 200 • Calculate Exposure value: 1.6 m/	 Film D4 Film class C3 Intensifying screens Pb 0.02 ∑ [mm] Distance (b): 12.00 [mm] Film-focus-distance: 500 [mm]
aluation acc. to Exposure Calculator 🖧 Output of the reports	



GE Exposure Calculator

The GE exposure calculation program is a comprehensive tool to quickly determine exposure settings for film applications. It inherits the basic rules of the EN1435 as a recommendation and guidline for weld examinations with X-ray.

This way a better inspection setup with more security and reproducability can get achieved.

Reporting tools help to document the procedures and setups of the inspection, and can be used to distribute and archive setups and results.

The tool comes with an editable database to ensure that also individual conditions and different film classes can get adjusted for the calculation.

All steel exposure values for GE Inspection Technologies or SEIFERT tubes are preset, other tubes and values for Titanium, Aluminum and Copper, can be added individually.

The product is available on CD. The Product Manual and operation guide can be found in the help section of the program. The program is available in english and german language.

System Requirements:

Industrial Standard PC

- Pentium III P3-500 MHz or higher
- 128 MB free RAM
- 100 MB free harddisk space
- Windows 2000/NT 4.0 or Windows 95/98/ME/XP/Vista

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				g class: 🗛 👻	acc. to EN 143	
Æ	GE Inspection Technologies	Radiography Inspection Report	Snoot 1 of 1			
Job no.	12344	Module A3	26.01.2008 Production group		Max.	
	Manufacturer GE Inspection		Aviation	[mm]: 0,00	Ac	
Object examined	Description Compresser S		Size x12	[mm]: 12,00	Dis	
	Material AlMg23 Welding process	Total veids yes Weld shape Scope	Make and type of film	12,00		
	SAW Examination after	V Contribution	D4 Assessment to	ninal): 2,30		
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	Tube	voltage [keV]		200 👻		
					Distance	
			1		Film-focu	
				Exposure value: 1.6		
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		ation acc. to Exp	iosure Calcu	lator 💍 Output of the report		
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GE Inspection Technologies: productivity through inspection solutions

GE Inspection Technologies provides technology-driven inspection solutions that deliver productivity, quality and safety. We design, manufacture and service ultrasonic, remote visual, radiographic and eddy current equipment and systems. We offer specialized solutions that will help you improve productivity in your applications in the aerospace, power generation, oil & gas, automotive or metals Industries.

www.ge.com/inspectiontechnologies