RaySafe ThinX An easy tool for fast results





RaySafe ThinX

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The RaySafe ThinX has been designed to meet the need for a basic multi-parameter instrument for simultaneous measurement of dose, dose rate, kVp, HVL, time and pulses. All parameters can be continually viewed in the convenient LCD display.

68.5

AN EASY-TO-USE INSTRUMENT

The RaySafe ThinX is an easy-to-use instrument thanks to its fully automatic user interface. There is no need to adjust settings, set-up or range selection, as the RaySafe ThinX works all automatically. As soon as radiation is detected the instrument switches itself on by using the automatic on/off function.

With a long battery lifetime of more than 1 year, no maintenance is needed.

possible.

HOW IT WORKS

Simply position the meter under the X-ray beam and make an exposure. The display shows all measured values.

1. POSITION INTRA / POSITION RAD





ACTIVE COMPENSATION

Thanks to the RaySafe Active Compensation technology, no further corrections are required regarding variations in beam filtration to both kVp and dose measurements.

Multiple sensors and advanced calculations automatically determine the beam quality, thereby eliminating the need for further corrections of measured kVp and dose values. The solid state sensor technology enables maximum accuracy whilst making measurements as effortless as

2. EXPOSE





1.84 mgy	4.59 ^{mGy} 2.7mm8l
68.5 KUP	401ms 21 ллг

SPECIFICATIONS

		DOSE RATE	DOSE RATE		
	EN 61000-6-1:2007 and EN 61000-6-3:2007	RANGE	0.1 mGy/s – 100 mGy/s at >70 kV (0.7 R/min–685 R/min)		
EXPOSURE NEEDED	One		Minimum dose rate at 50 kV		
POWER ON	Auto, radiation triggered		is 0.5 mGy/s (3.4 R/min)		
POWER OFF	Automatic after 2.5 min of inactivity	RESOLUTION	0.01 mGy/s (0.1 R/min)		
RESET	Automatic	UNCERTAINTY	5%		
BATTERY	3V, CR 2450	HVL			
BATTERY LIFE	2 years of typical use	RANGE	1.0 – 10.0 mm Al		
READ OUT	128 x 64 pixel LCD	RESOLUTION	0.1 mm Al		
TRIG LEVEL	0.1 Gy/s (0.7 R/min)	UNCERTAINTY	10% or 0.2 mm Al		
SIZE (H x W x L)	13 x 45 x 108 mm (0.5 x 1.8 x 4.3 in)		10% 01 0.2 mm Ai		
WEIGHT	< 70 g (2.5 oz)	EXPOSURE TIME RANGE	10 ms – 10 s		
kVp	(70 g (2.3 02)				
RANGE (RAD)	45 – 150 kVp	UNCERTAINTY	0.5%		
RANGE (INTRA)	45 – 150 kVp 45 – 100 kVp 0.5 kVp	RESOLUTION	1 ms		
RESOLUTION		BANDWIDTH	0.5 kHz		
UNCERTAINTY	3%	PULSES (1)			
DOSE	570	PULSES	3–999 pulses, max 375 ms dead time		
RANGE	20 μGy – 999 mGy at >70 kV (2.3 mR–114 R) Minimum dose at 50 kV is 100 μGy (11.4 mR)	UNCERTAINTY	between pulses. 1 pulse		
		ACTIVE COMPENSATION			
		RANGE (RAD)	1.5 mm AI – 0.5 mm Cu total filtration		
RESOLUTION	1 μGy (0.1 mR)		45-125 kVp		
UNCERTAINTY	5%		2.5 – 10 mm Al total filtration 125-150 kVp		
		RANGE (INTRA)	1.5 – 10 mm Al total filtration 45-100 kVp		
MODEL	PARAMETERS	⁽¹⁾ If the X-ray generator wa	aveform is pulsed the instrument will also		
Day Cafe Thin V later		automatically display puls			

RaySafe ThinX Intra RaySafe ThinX RAD RaySafe ThinX RAD kVp RaySafe ThinX RAD Dose

Dose, rate, kVp, HVL, time, pulses Dose, rate, kVp, HVL, time, pulses kVp, time, pulses Dose, rate, HVL, time, pulses

automatically display pulses.

Unfors Instruments has changed its name to Unfors RaySafe www.raysafe.com

