STS Safe-Series Field Survey Instruments

Instrument Name	**STS**	**Safe-EPD Dosimeter**	
	Description The STS Safe-EPD simulator is a simulated generic Electronic Personal Dosimeter designed to aid the tuition of workers in the nuclear industry in safe practices and in understanding the accumulation of dose over time but without exposure to radiation . The instrument operates using an STS radio frequency detection head which detects the presence of a simulated radiation field with the resultant reading displayed on the LCD Display. The instrument will work simultaneously with the Survey-Safe to provide a complete training experience. Set-able alarm levels, background and chirp rates allow the user to create their own specific training environment.		
Dimensions (mm)	70H	66W	32D
Weight (KG)	0.15KG		
Construction	Moulded Plastic Case		
Controls	Surface mounted pushbuttons	Suitable for gloved use	
Buttons	Side - On/Off (press and hold)	Front –Menu Scroll	Pin Hole – Setup access
Display Type	Digital	2 Line 16 character	
Backlight	Yes		
Battery	2 x AAA 1.5V cells		Battery life 10 hrs+
Detector	STS radio frequency Detector		
Audio Output	Yes (78 Db)	Alarm and chirp rate	
Alarm Thresholds	Yes (1 Rate & 2 Dose Alarm levels)	Set in Admin menu	
LED	Red Led	Chirp and alarm response	
Functionality	Dose display	Rate Display	
Background	Level set in user menu		
Operating & Storage Temperature	Operating temp 0 to +30C	Storage temp 0C to +40C	
Warm up time	10 seconds		
Available Sources	Safe-MiniSource	Safe-Variable MiniSource	
Additional Information	The STS Safe-EPD is not designed to be intrinsically safe and therefore should not be used in hazardous environments. The units are not waterproof and contain delicate and sensitive electronics which may be caused to fail if exposed to moisture. Units should be stored in a clean and dry environment, batteries should be removed if storing for more than 4 weeks. Instrument response will be affected by environmental conditions such as the presence of large reflective surfaces, substantial metal structures and variable wall thicknesses.		

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