


## STS 900 Series Field Survey Simulators

Instrument Name	STS 901A		Thermo RO20 Simulator		
	Description				
	<p>The STS Model 901 consists of a real Eberline RO2 Survey Meter top plate, meter and handle, but with STS electronics installed within the case</p> <p>The instrument operates using an STS radiofrequency detection head which detects the presence of a simulated radiation source, the resultant reading is displayed as counts on the RO2 Display.</p>				
Dimensions (mm)	203H (including handle)		9W		216D
Weight (KG)	1.8KG				
Construction	Rugged Plastic Case		Steel Top plate and Handle		
Beta Shield	Yes		Operated by thumb button on side of instrument		
Display Type	Analogue Dial				
Backlight	No				
Battery	6 x 1.5V "C" cells LR14		THIS UNIT CANNOT BE MAINS RECHARGED		Battery life 12-16 hrs
Detector	Radiofrequency detector		Detector orientated to face out of bottom of case		
Audio Output	No				
Alarm Thresholds	No				
Retained Functionality	Rotary Switch selector for battery levels, Zero and scales		5 scale settings		Available in mR/h and ySv/h
Scale Ranges	0-5 mR/h	0-50 mR/h	0-500 mR/h	0-5 R/h	0-50 R/h
	0-50 ySv/h	0-500 ySv/h	0-5 mSv/h	0-50 mSv/h	0-500 mSv/h
Connector	n/a				
Operating & Storage Temperature	Operating temp 0 to +30C		Above 30C the stimulant will rapidly evaporate		Storage temp -10C to +40C
Warm up time	10 seconds from switch on to ready.				
Available Sources	911 Box Source	912 Pipe Source	913 Hexagonal Source	914 Miniature Source	
Additional Information	<p>The STS 901 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.</p> <p>Instrument response will be affected by environmental conditions such as the presence of large reflective surfaces, substantial metal structures and variable wall thicknesses.</p>				

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