


STS 900 Series Field Survey Simulators

Instrument Name		STS 901A		Thermo RO20 Simulator	
		<p>Description</p> <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)	196H (including handle)		107W		201D
Weight (KG)	1.6KG				
Construction	Rugged Plastic Case		Alloy Top plate and Handle		
Beta Shield	Yes		Operated by thumb button on side of instrument		
Display Type	Analogue Dial				
Backlight	Yes		On /off/ momentary		
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 ySv/h	0-50 mR/h 0-500 ySv/h	0-500 mR/h 0-5 mSv/h	0-5 R/h 0-50 mSv/h	0-50 R/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 901A 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>				