


## STS 800 Series Contamination Simulators

Instrument Name		<b>STS 811</b>			<b>Ludlum Model 12</b>				
		Description							
		<p>The STS Model 811 consists of a real Ludlum Model 12 ratemeter, but with additional STS electronics installed within the case and powered from the Model 12's battery supply.</p> <p>The instrument operates using an STS simulated probe containing a gas detection head which detects the presence of the stimulant placed on surfaces and clothing, the resultant reading is displayed as counts per minute on the Ludlum display.</p>							
Dimensions (mm)	216H	89W			165D				
Weight (KG)	1.6 KG								
Construction	Rugged Aluminium cast case								
Display Type	Analogue Meter			Graduations in CPM					
Backlight	NO								
Battery	2 x 1.5V "D" cells			THIS UNIT CANNOT BE MAINS RECHARGED			Battery life 8-10 hrs		
Detector	None			Detection unit based in probe					
Audio Output	YES			On off toggle switch on panel					
Alarm Thresholds	NO								
Retained Functionality	All original instrument controls and switches retained except HV			Rotary dial for scales X1, X10, X100, X1000			Fast / Slow response switch Reset meter button		
Connector	STS 5 Pin connector for use only with STS simulated probes								
Operating & Storage Temperature	Operating temp 0 to +30C			Above 30C the stimulant will rapidly evaporate			Storage temp -10C to +40C		
Warm up time	30 seconds from switch on to ready.								
Available Probes	44A	DP2	DP6	BP4	HP260	HP210	DP5A	43-5	AP3
Available Simulants	LS1 –liquid stimulant spray			SS4 – solid stimulant source			Please refer to MSDS sheets for further information		
Additional Information	<p>The STS 811 and it's probes are 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 excessive heat and humidity and by air flow, strong air conditioning units and outside exercises may need to be considered to ensure the stimulant is identifiable by a trainee.</p>								

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