STS 800 Series Contamination Simulators

Instrument Name	**STS 804**	**Ludlum Model 177**
	Description The STS Model 804 consists of a real Ludlum 177 ratemeter, but with additional STS electronics installed within the case and powered from the 177's battery supply. The instrument operates using an STS simulated probe containing a gas detection head which detects the presence of the simulant placed on surfaces and clothing, the resultant reading is displayed as counts per minute on the Ludlum Display.	

Dimensions (mm)	127H			203W			152D		
Weight (KG)	1.9 KG								
Construction	Rugged Metal Casing								
Display Type	Analogue Meter Face			Graduations in CPM					
Backlight	No								
Battery	Direct supply from LUD 177 internal rechargeable battery			Suggested operation whilst plugged into mains					
Detector	None			Detection unit based in probe					
Audio Output	Yes			Volume control by dial					
Alarm Thresholds	Yes – set by instrument dial			Red Light indicating alarm					
Retained Functionality	All original instrument controls and switches retained except HV			Scales X1, X10, X100, X1000 With push button reset.			Fast and Slow response toggle switch		
Connector	STS 5 Pin connector for use only with STS simulated probes								
Operating & Storage Temperature	Operating temp +5 to +30C			Above 30C the simulant will rapidly evaporate			Storage temp 0C to +40C Instrument must be brought to min 5C before operation.		
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 simulant spray		SS4 – solid simulant source			Please refer to MSDS sheets for further information			
Additional Information	The STS 804 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. 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 simulant is identifiable by a trainee.								