

Dräger Flame Simulators

The Dräger FS-10 is a test torch capable of function testing the Dräger Flame 1300 IR Detector, Dräger Flame 1700 UV Detector, and Dräger Flame 2300 UVIR Flame Detector in hazardous areas. The Dräger FS-5000 is used to simulate the presence of fire or flames to test the correct operation of the Dräger Flame 5000 CCTV Detector.



DRÄGER FLAME SIMULATORS

Testing at Range

The Dräger FS-10 and Dräger FS-5000 are both used to functional test their respective flame detectors from a distance. With reduced need for scaffold or ladders to access the detector, maintenance costs can be decreased.

Dräger FS-10

The Dräger FS-10 tests Dräger Flame Detectors at distances up to five metres. The Dräger FS-10 is portable, battery-powered, and certified for use in potentially explosive atmospheres.

The Dräger 1300, 1700 and 2300 Flame Detectors respond to infrared and/or ultraviolet flickering radiation emissions.

Accordingly, the Dräger FS-10 uses a xenon lamp to emit a powerful beam of broad-spectrum radiation. It is pulsed in a pseudo-random sequence to simulate the varying emission of a flame.



ST-8005-2008

Dräger FS-10:
Infrared and Ultraviolet simulation

Dräger FS-5000

The Dräger Flame 5000 CCTV Detector is a 'Visual Flame Detector'; therefore the Dräger FS-5000 has been specifically designed to enable long range testing of this detector.

The Dräger FS-5000 is designed and built for extreme offshore environmental conditions. The electronics are housed in an enclosure which is designed for Zone 1 hazardous areas.



ST-8006-2008

Dräger FS-5000:
Visual Flame Detector Simulation

TECHNICAL DATA

Dräger FS-10		
Type		Infrared and Ultraviolet flame simulator
Range		≤ 5 metres
Dimension Approx. (L x Dia)		275 x 155 mm, (10.8 x 6.1 inches)
Weight		4.2 kg, (9.24 lbs)
Laser Class		Class 3R 670nm 3mW
Enclosure		IP 67, NEMA 4X
Material		LM Alloy
Storage Temperature		-20°C to +35°C, (-4°F to +95°F)
Operating Temperature		-20°C to +45°C, (-4°F to +113°F)
Humidity		0-99% RH non-condensing
Approvals	ATEX	07ATEX1173X Ex II 2G, Ex d IIC T5 Tamb -20°C to +45°C
	IECEX	IECEX SIR 07.0049X, Ex d IIC T5 Tamb -20°C to +45°C
	EMC	EN 61000-6-2:2001, EN 61000-6-3:2001
Dräger FS-5000		
Type		Colour CCTV Visual Flame Simulator
Range		≤ 8 metres
Dimension Approx. (L x Dia)		220 x 100 mm, (8.7 x 3.9 inches)
Weight		2.5 kg, (5.5 lbs)
Enclosure		IP 66, NEMA 4X
Material		LM Alloy
Storage Temperature		-20°C to +80°C, (-4°F to +176°F)
Operating Temperature		-20°C to +70°C, (-4°F to +158°F)
Humidity		5-95% RH non-condensing

ORDER INFORMATION

Dräger Flame Simulators		
Dräger FS-10		230 70 23
Dräger FS-5000		420 93 07

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