

## 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.

#### 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.



**Dräger FS-10:**  
Infrared and Ultraviolet simulation



**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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