

FlameSpec FLS-FSIM

Flame Simulators



The FlameSpec Flame Simulator provides fast and convenient detector verification in the field.

Introduction

Flame simulators are often used by industry to perform detector testing during commissioning and periodic system testing. The FlameSpec simulators are inexpensive, lightweight and simple to use. The modern ergonomic design, with alignment markers, allows accurate, fast and convenient detector performance verification. Suitable for use in hazardous areas, the FlameSpec simulators can be used at distances of up to 23.0 feet (7.0 meters) from the detector.

Three different models are available for testing each type of FlameSpec Detector (IR3, IR3-H2 and UV-IR)

All FlameSpec flame detectors perform automatic self-tests of their optics, windows, electronics and software. Additionally, the FlameSpec flame detectors can be manually put into alarm via the FGD communicator software or by short circuiting the "Manual BIT" terminal and the "24 VDC (-)" terminal for one second. The FlameSpec flame test simulators are designed to complement these inbuilt features by providing a fully external loop test capability.

Key Benefits

- Complementary to FlameSpec Detector inbuilt test features
 - Enables full end to end system test.
- Inexpensive, lightweight and simple to use.
 - Reduced initial cost and ongoing maintenance costs.
- Activation of test from up to 23 feet (7 meters).
 - Reduces the need for scaffolding.
- Hazardous area use approved.
 - No time-consuming hot work permit required.
- More than 1,000 activations between charges.
 - Ready to use when you are.
- Includes carrying strap, protective storage case, battery charger and operating instructions.
 - Easy to transport and supplied with everything you need.

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FlameSpec-FLS-FSIM

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Simulator Kits Part Nos		FLS-FSIM-IR3-KIT	FLS-FSIM-IR3-H2-KIT	FLS-FSIM-UV-IR-KIT
Detector type		FLS-IR3 FLS-IR3-HD	FLS-IR3-H2 FLS-IR3-H2-HD	FLS-UV-IR FLS-UV-IR-HD
OPERATION DISTANCES	Detector Sensitivity	ft. m	ft. m	ft. m
	Extreme	23.0 7.0	23.0 7.0	21.3 6.5
	High	16.0 5.0	16.0 5.0	16.0 5.0
	Medium	10.0 3.0	10.0 3.0	13.0 4.0
	Low	3.3 1.0	3.3 1.0	3.3 1.0
ELECTRICAL SPECIFICATIONS	Operating Voltage nominal, V	3.7	3.7	3.7
	Number of activations between charging	~1000	~1000	~50
	Battery Capacity, mAh	>3000	>3000	>3000
	Charging time, hours	up to 3	up to 3	up to 3
	Indication	3 Color LED (Green, Yellow, Red)		
All Simulator Models				
MECHANICAL SPECIFICATIONS	Size	3.9 x 3.9 x 7.8" (100 x 100 x 200mm)		
	Weight	3.96 lbs. (1.8 kg)		
	Simulator Enclosure Material	Painted Aluminum LM25		
ENVIRONMENTAL SPECIFICATIONS	Ingress Protection	IP65 (NEMA 4X)		
	Humidity	up to 99% (RH), non-condensing		
	Operating temperature	Min: -4°F (-20°C) Max: +122°F (+50°C)		
APPROVALS	Explosion proof	ATEX Ex II 2 G Ex db ib op is IIC T6 Gb Ex II 2 D Ex tb ib op is IIIC T85°C Db -20°C<Ta<+50°C		
ACCESSORIES included in kits	Carrying Case	FLS-FSIM-CASE		
	Carrying Strap	FLS-FSIM-STRAP		
	Cover Tool	FLS-FSIM-TOOL		
	Allen Key	FLS-FSIM-ALLEN		
	Battery Charger	FLS-FSIM-CHRGR		
	Spare Battery	FLS-FSIM-BATT		
WARRANTY	3 Years			