

CD-FS-301 Flame Simulator

Designed for hazardous industries where fast optical flame detection is critical and nuisance alarms are not an option.

The CD-FS-301 Flame Simulator is designed to test the correct operation of the CD-F-series of Visual Flame detectors. The CD-FS-301 Flame Simulator produces a unique flame pattern that is recognized by the detector which in turn initiates a full alarm function test.



Features and Benefits

Rugged Design

The CD-FS-301 is ATEX rated and housed in the same Exd enclosure as used for the CD-F-300 and CD-F-301. The simulator is supplied with a rugged transit case for safe transportation to offshore locations worldwide.

Long Range Testing

The unit is battery powered and capable of long range operation of up to 26 feet. This allows the flame simulator to be operated from deck level, greatly reducing the maintenance cost for detector testing by removing the need for scaffold or ladder access.

Ease of Maintenance

The simulator has been designed for hand held use by a single operator and is a completely self-contained unit. A single charge of the batteries is sufficient to test in excess of one hundred detectors.

Meets Operator Specification

Certain Operators and Certifying bodies state that a separate test source is used to ensure correct operation of the flame detector. The CD-FS-301 ensures that these requirements are met.

Technical specification

Environmental

Operating Temp: +14°F to +122°F (-10°C to +50°C)
Storage Temp: +14°F to +122°F (-10°C to +50°C)
Humidity: 0 to 100% RH non-condensing

Operating Voltage

4.8Vdc Nominal
4 x 1.2 GP180AAH batteries

Power Consumption

35 watt (Typical)

Enclosure

Dimensions: 10 cm Diameter x 20 cm Length Overall (8" x 4", inch)
Material: LM25 (Red epoxy)
Entries: Fitted Ex d push button switch
Weight: 2,5 kg (LM25) (5.5lbs)

Sensitivity

Coverage: 1 degree beam divergence
Range: 3-8 meters (10-26 feet)

Transit Case

Dimensions: L 40 x H 18 x W 17 cm (15.7"L x 7"H x 6.7"W, inch)
Weight: 6 kg (LM25) (13lbs)

Certification

ATEX: II 2 G Ex d IIC T6 IP66 (FM09ATEX0034)

