The FS301 is used to test the complete range of FDS301 flame detectors; intelligent visual flame detectors and multispectrum flame detectors; without the need for scaffolding.

The FS301 Flame Simulator produces a unique flame pattern recognized by the FDS301 product line. The detectors in turn initiate a full alarm function test.

Features and Benefits

Rugged Design
The FS301 is ATEX certified for operation in Zones 1 and 2 hazardous areas. The simulator is supplied with a rugged transit case for safe transportation to locations worldwide.

Long Range Testing
The unit is battery powered and can functionally test our detectors at distances of up to 26 feet. This greatly reduces maintenance costs by removing the need for scaffold or ladder access.

Ease of Maintenance
The simulator is a completely self-contained unit designed for handheld use by a single operator. A single charge of the batteries is sufficient to test in excess of one hundred detectors.

Meets Operator Specification
Some Operators and Certifying bodies state that a separate test source be used to ensure correct flame detector operation. The FS301 from ensures these requirements are met for the complete FDS301 product family.
**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

**Sensitivity**
- Coverage: 1 degree beam divergence
- Range: 10 to 26 feet

**Operating Voltage**
- 4.8 Vdc Nominal;
- 4 x 1.2 GP180AAH batteries

**Power Consumption**
- 35 W (Typical)

**Enclosure**
- Dimensions: 4” Diameter x 8” Length (inches)
- 100 mm Dia x 200 mm
- Material: Copper free aluminum
- Entry: Fitted Ex db push button switch
- Weight: Aluminum 5.5 lbs (2.5 Kg)

**Certification**
- ATEX II 2 G Ex db IIC T4

**Transit Case**
- Dimensions: 16L x 180H x 7W (Inches)
- Weight: 13.2 lbs (6 Kg)