



# ATi301-Sim Flame Simulator

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**The ATi301-Sim Flame Simulator is designed to test the correct operation of the ATi series of Visual Flame detectors. The ATi301-Sim 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 ATi301-Sim is ATEX rated and housed in the same Exd enclosure as used for the ATi300 and ATi301-V. 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 ATi301-Sim 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)

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