



GROVELEY DETECTION

Groveley Detection Limited

Anchor Works, Groveley Road

Christchurch, Dorset

BH23 3HB

UK

T: +44 (0)1202 483497

F: +44 (0)1202 486658

E: sales@groveley.co.uk

Flame Simulator FS-301

The FS-301 Flame Simulator is designed to test the correct operation of visual flame detectors. The FS-301 flame simulator produces a unique flame pattern that is recognised by the visual flame detector and produces an alarm output.

All outputs from the visual flame detection system must be inhibited before any tests are conducted, as acknowledgement of correct operation is a fire signal.

The FS-301 generates an accurate flame simulation capable of tripping the Visual Flame detector into alarm, it is battery powered and capable of long range operation.

The flame simulator is capable of operating at a range of up to 8 metres. This allows the flame simulator to be operated from the floor level greatly reducing maintenance cost for detector testing by removing the need for scaffold or ladder access.

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

Features

- An operating range of 8m allows easy testing of installed detectors from deck level
- The test flame simulator is portable, supplied with its own support strap and rugged transport case and is designed for hand held operation by a single operator
- The flame simulator has been designed for the extreme offshore environmental conditions and for operation in a hazardous area
- The flame simulator is supplied with a battery charging adaptor

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buying quality...*

Flame Simulator FS-301

TECHNICAL DETAILS

Environmental

- Operating Temp: -20°C to +70°C (-4°F to +158°F)
 - Storage Temp: -20°C to +80°C (-4°F to +176°F)
 - Humidity: 0 to 100% RH non-condensing
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Operating Voltage

- 12Vdc Nominal
 - 3AH Nickel-metal-hydride batteries
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Sensitivity

- Coverage: 1 degree beam divergence
 - Range: 3-8 metres
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Application

- FDS-301 Visual flame detectors
 - FDS-101 Visual flame detectors
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Enclosure

- Dimensions: 100 Diameter x 200 Length Overall (mm)
 - Material: LM25 (Red epoxy), 316L stainless steel
 - Entries: Fitted Ex d push button switch
 - Weight: 2.5kg (LM25) or 6kg (316L)
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Power Consumption

- 35 watt (Typical)
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Transit Case

- Dimensions: 400L x 180H x 170W (mm)
 - Weight: 6kg (LM25)
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Charging

- Standard charge 8-12 hours
 - 'Fast Charge' 4 hours
 - Capacity - up to 50 detectors on full charge
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