



FlameGard[®] 5 Test Lamp

Rechargeable Test Lamp for FlameGard 5 Flame Detectors

Description

The FlameGard 5 Test Lamp is a battery operated, rechargeable test lamp specifically designed to test MSA's FlameGard 5 MSIR, UV/IR, UV/IR-H₂, and UV/IR-E Flame Detectors. The test lamp provides a high-energy, broadband radiation source that emits sufficient energy in both the ultraviolet and infrared spectra to activate UV and/or IR flame detectors. To simulate a fire, the test lamp automatically flashes at various selectable rates.

The FlameGard 5 Test Lamp is designed for use in hazardous areas. It runs on internal nickel-metal hydride batteries which, when fully charged, allow continuous operation for at least 45 minutes. An internal circuit prevents operation when the battery charge is low.

A variety of flashing test patterns, selectable through a rotary switch, allows the test lamp to check the operation of FlameGard 5 Flame Detectors. When the specific flashing pattern for a given type of flame detector is appropriately selected, the test lamp triggers the alarm or test mode.



Features and Benefits

Rechargeable/replaceable battery provides an extended product life

Easy grip handle integral with housing is easy to use

Battery charger status indicator simplifies maintenance

Explosion proof cast aluminum housing

Microcontroller monitors all operations

System Specifications

Output Spectrum	Broadband emissions in UV, visible and IR spectra
Charging Time	3.5 hours max.
Charger Input	110–240 VAC, 50/60 Hz, 1.5 A
Charger Output	24 VDC @ 2.1 A
Classification	Class I, Division 1 & 2, Groups C, D; II 2G Ex d IIB + H ₂
Warranty	Two years
Approvals	ATEX, CE marking, CSA

Environmental Specifications

Operating Temperature Range	–15 °C to +50 °C
Operating Humidity Range	0–90% ±3% RH, non-condensing

Mechanical Specifications

Length	330 mm
Diameter	127 mm
Weight	3.5 kg

Ordering Information

FlameGard 5 MSIR Test Lamp	5TL-02
FlameGard 5 UV/IR Test Lamp	5TL-12

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