



FlameGuard® 5 Test Lamp

Rechargeable Test Lamp for FlameGuard 5 Flame Detectors

Description

The FlameGuard 5 Test Lamp is a battery operated, rechargeable test lamp specifically designed to test MSA's FlameGuard 5 MSIR, UV/IR, and UV/IR-H2 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 FlameGuard 5 Test Lamp is designed for use in Class I, Divisions 1 & 2, Groups C and D areas. The test lamp 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 FlameGuard 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 or use in Class I, Divisions 1 & 2 locations

Microcontroller monitors all operations

System Specifications

| | |
|-----------------------|---|
| Output Spectrum | Broadband emissions in UV, visible and IR spectra |
| Charging Time | 3.5 hours max. |
| Charger Input | 110-240VAC, 50/60 Hz, 1.5A |
| Charger Output | 24 VDC @ 2.1A |
| Classification | Class I, Zone I, T4 (110°C) Ex d IIB + H2 |
| Warranty | Two years |
| Approvals | CSA, ATEX, CE marking |
| Standard Part Numbers | 5TL-02 FlameGuard 5 MSIR Test Lamp 5TL-12 FlameGuard 5 UVIR Test Lamp Includes power supply adapter |

Environmental Specifications

| | |
|-----------------------------|--------------------------------|
| Operating Temperature Range | 5°F to +122°F (-15°C to +50°C) |
| Operating Humidity Range | 0-90% ±3% RH, non-condensing |

Mechanical Specifications

| | |
|----------|--------------------|
| Length | 13 inches (330 mm) |
| Diameter | 5 inches (127 mm) |
| Weight | 7.9 lbs (3.5 kg) |