



GENERAL MONITORS
Protection for life.

MODEL TL105

Test Lamp For Flame Detection



Features

- Rechargeable / replaceable battery
- Easy grip handle integral with housing
- Battery charger status indicator
- Explosion proof cast aluminum housing
- Microcontroller

Benefits

- Extended product life
- Easy to use
- Ease of maintenance
- For use in Class I, Divisions 1 & 2 locations
- Monitors all operations

Description

The TL105 is a battery operated, rechargeable test lamp specifically designed to test General Monitors' UV, UV/IR and IR 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 TL105 is designed for use in Class I, Divisions 1 & 2, Groups C and D areas. The test lamp functions on internal nickel-metal hydride batteries which, when fully charged, allows 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 General Monitors flame detectors, including the FL3000/3100 series, the FL4000, Types V and VI 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.

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 + H ₂
Operating Temperature Range:	5°F to +122°F (-15°C to +50°C)
Humidity:	0-90% ±3% RH, non-condensing
Length:	13 inches (330 mm)
Diameter:	5 inches (127 mm)
Weight:	7.9 lbs (3.5 kg)
Warranty:	Two years
Approvals:	CSA, ATEX, IECEx, CE Marking
Standard Configuration:	TL105-0-2 Includes power supply adapter