

# Model TL105

Test Lamp For Flame Detection



General Monitors



## Features & Benefits

- Rechargeable/replaceable battery extends product life
- Easy-grip handle is integral with housing
- Battery charger status indicator means easy maintenance
- Explosion-proof cast aluminum housing allows for use in Class I, Divisions 1 & 2 locations
- Microcontroller 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 FL4000 series, FL3000/3100 series, 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.



The Safety Company

*Because every life has a **purpose...***

Specifications	
<b>OUTPUT SPECTRUM</b>	Broadband emissions in UV, visible and IR spectra
<b>CHARGING TIME</b>	3.5 hours max.
<b>ELECTRICAL SPECIFICATION</b>	12 VDC 130 W max.
<b>CHARGER INPUT</b>	110-240VAC, 50/60 Hz@ 1.5A
<b>CHARGER OUTPUT</b>	24 VDC @ 2.1A
<b>CLASSIFICATION</b>	Class I, Division 1 & 2, Groups C & D Ex tb IIIC T110°C Db Ex d IIB + H2 T4 Gb
<b>OPERATING TEMPERATURE RANGE</b>	5°F to +122°F (-15°C to +50°C)
<b>CHARGING TEMPERATURE</b>	32°F to +104°F (0°C to +40°C)
<b>HUMIDITY</b>	10-90% ±3% RH, non-condensing
<b>LENGTH</b>	13 inches (330 mm)
<b>DIAMETER</b>	5 inches (127 mm)
<b>WEIGHT</b>	7.9 lbs (3.5 kg)
<b>WARRANTY</b>	Two years
<b>APPROVALS</b>	CSA, ATEX, IECEx, CE Marking
<b>STANDARD CONFIGURATION</b>	<b>TL105-0-2</b> — Includes power supply adapter

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products. Specifications subject to change without notice.



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