

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.

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

Specifications	
OUTPUT SPECTRUM	Broadband emissions in UV, visible and IR spectra
CHARGING TIME	3.5 hours max.
ELECTRICAL SPECIFICATION	12 VDC 130 W max.
CHARGER INPUT	110-240VAC, 50/60 Hz@ 1.5A
CHARGER OUTPUT	24 VDC @ 2.1A
CLASSIFICATION	Class I, Division 1 & 2, Groups C & D Ex tb IIIC T110°C Db Ex d IIB + H2 T4 Gb
OPERATING TEMPERATURE RANGE	5°F to +122°F (-15°C to +50°C)
CHARGING TEMPERATURE	32°F to +104°F (0°C to +40°C)
HUMIDITY	10-90% ±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

Represented by:



Equipamientos Analíticos S.A.
Roosevelt 2445 8° A
(1428) Capital Federal
Tel: 54 (11) 4788 8493 / 8494
ventas@equipanaliticos.com.ar
www.equipanaliticos.com.ar