



GENERAL MONITORS
Protection for life.

MODELS TL100/TL103

Model TL103 - UV/IR Test Lamp



Features

- Rechargeable/Replaceable batteries
- Easy grip handle integral with housing
- Spring return on/off switch
- Explosion-proof Cast Aluminum Housing

Benefits

- Longer product life
- Easy to use
- Conserves battery life
- Durability

Description

The General Monitors Model TL103 is a battery operated rechargeable Test Lamp specifically designed to test General Monitors UV, UV/IR & Digital Frequency IR flame detection systems. It consists of a high-energy broad band radiation source which emits sufficient energy in both the Ultraviolet and Infrared spectra to activate UV and/or IR detectors. To simulate the flickering of a fire, the Test Lamp automatically flashes at one of four DIP switch selectable rates.

The Model TL103 is designed for use in Class I, Division 1, Group B, C, & D areas. The Test Lamp functions on internal lead-acid batteries which, when fully charged, will allow continuous operation for 25 to 30 minutes. An internal circuit will prevent operation when the battery is low.

Specifications

Operating Temperature:	32°F to 158°F (0°C to 70°C)
Weight:	7.9 lb (about 3.5 kg)
Dimensions:	13" L x 5" D (330mm L x 127mm D)
Charging Time:	14 hours minimum
Output Spectrum:	Broad band emissions in UV, visible and IR spectra
Charger Input:	115V ± 10% 50/60 hz
Output:	12.1 VDC @ 250mA
Approvals:	CSA, CE Marking
Standard Configuration:	TL103-000-000-130 <i>includes battery charger</i>



MODELS TL100/TL103

Model TL100 - Ultraviolet Test Lamp

The General Monitors Model TL100 UV Test Lamp is a portable, rechargeable source of ultraviolet radiation, specifically designed for use in testing General Monitors UV flame detectors. It emits a wide band of radiation which includes the 185 to 260 nanometer region.

To avoid damaging exposure to ultraviolet radiation, the TL100 provides a "Power On" indicator so that direct viewing of the lamp is not necessary. The TL100 is approved by CSA as intrinsically safe for use in Class I, Division 1, Groups C & D.

Features

- Intrinsically safe
- Rugged and lightweight
- Two UV intensity levels
- Power ON indicator (eliminates need to view UV lamp directly)
- Low battery indicator
- Typically two-hour operating time between charges
- Regulated lamp intensity
- 3-position momentary switch (HI / OFF / LO)



Specifications

Operating Temperature:	32°F to 158°F (0°C to 70°C)
Weight:	1 lb (0.45 kg)
Dimensions:	11" L x 2.25" D (279mm L x 57mm D)
Operating Time:	2 hours (approximately)
Charging Time:	14 to 16 hours
UV Output Spectrum:	Full Range
Charger Input:	120V ± 15% 50/60 hz, 3W nominal
Output:	9VDC @ 47mA
Approvals:	CSA, CE Marking
Standard Configuration:	TL100-000-000-020 <i>includes battery charger</i>

Specifications subject to change without notice.

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