

Portable / Handheld UV-IR Test Lamp

Ultraviolet / Infrared Model : TL - 205



Protects **Personnel, Plant
& Assets**



TECHNOLOGY

The TL-205 is a rechargeable, hand-held unit that tests the response of the detectors with a highly accurate fire simulation that utilizes authentic ultraviolet and infrared radiation sources that can be used for periodic inspection of UV, single frequency IR and UV/IR flame detection systems. It produces UV and IR radiation to verify response of the flame detection system without the need for an open flame, and is suitable for use in hazardous (classified) areas. The test performed is identical to Ultraviolet detector, an Ultraviolet/Infrared detector, or a Multi-spectral Infrared type of flame detector.

It is recommended that two people perform the testing procedures. One person will operate the test lamp, while the second person sets up the controllers and observes the response of the system to the test lamp.

Activate the test lamp and direct the centre of the light beam onto the centre of the window on the IR detector (0.5" window) from a distance not greater than five feet from the detector window. This activation should produce IR counts greater than 20 on the controller's display for infrared detectors. The controller should display an ultraviolet detector count that varies from a value greater than 100 to a value less than 50.

APPLICATIONS

- 15 kinds of electrical applications
- Combined Heat and power plant
- Thermal power plant
- Nuclear power plants
- LNG Base, airports
- Oil and gas, oil refining, heavy industries
- Iron manufacture, steel, shipbuilding
- Automotive, military
- Chemical and petrochemical

HNL Systems Pvt. Ltd.

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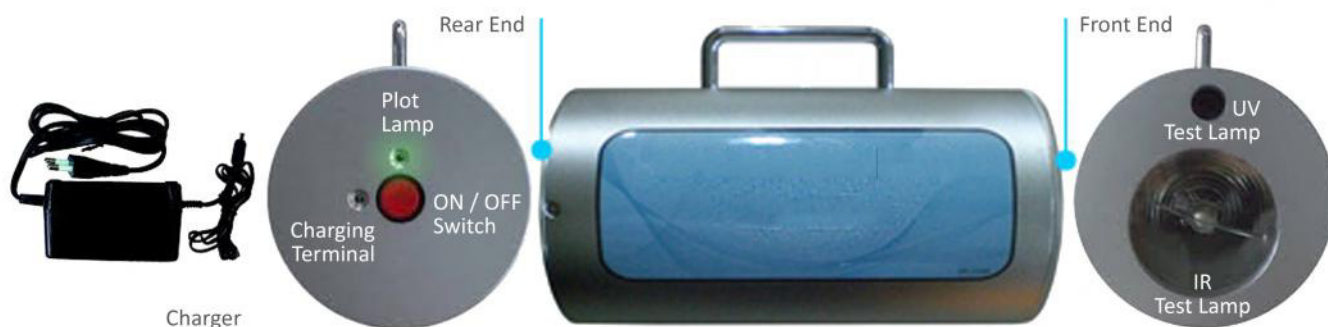
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PRODUCT VIEW



SPECIFICATIONS

Type	Portable
Electronics / processor	Micro-controller
Power supply	220 V AC Charger
Display	UV test lamp, IR test lamp
Output	UV / IR Radiation
Response time	Typical 30 seconds
Operating temperature	0° to +55 °C
Housing	Anodized aluminium
Accessories	Charger, test lamp case, operating manual
Color	Anodized aluminium metal color
Weight	3.2 Kg
Dimensions	145 x 250 mm (WxD)
Charging	17 hours charging in case of complete discharge
Discharge period	Min. 5 hours
Continuous operation time	Max. 2 hours
Cover range	3 meter (max. 5 meters)
Typical test time	Usually 5 sec. (depending upon the detectors / manufacturers)
Precautions*	Do not directly look at light from lamps, Do not use with charger connected to test lamp

*Note : Specifications and Features will vary with application. There may be changes overtime due to continuous development process.
@ 2018*

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