DT201

UV/IR Handheld Tester
For Hazardous Locations

Standard Features

- Generates a Typical UV / IR Flame Signature for Testing a Variety of Devices
- Hazardous Location Rated Enclosure for Indoor & Outdoor Use
- Uses Standard 9V Battery
- Wide Operating Temperature Range

General Information

The DT201 is a factory approved handheld test source that is designed for testing a variety of flame detection devices by emitting a steady state UV signal and a modulated IR signal at a flicker frequency of 4 Hz. By simulating the signature of a typical fire, the DT201 is ideal for applications where the use of a real test fire is either impractical or unsafe.

Designed for use in most hazardous locations, the DT201 is recommended for safely performing NFPA 72 required flame testing of Sierra's flame detectors.

The DT201 is rated for a wide temperature range and incorporates a user replaceable 9V battery to eliminate the need for proprietary or rechargeable power supplies.

Specifications

(subject to change without notice)

Sensitivity:
Typically used for testing Sierra flame detectors at approximately 3 to 8 feet on axis. Response times are dependent on the environment and equipment being tested.

Spectral Emissions:
Ultraviolet: 185 to 260 nm
Infrared: .715 to 3.5 µm

Enclosure:
Copper free cast aluminum with F.D.A. approved red epoxy finish for high corrosion resistance. The enclosure is rated: NEMA 4X, Explosion Proof
Class I Divisions I & II Groups B, C, D
Class II Divisions I & II Groups E, F, G
Class III

LED:
Operation is Indicated by a Flashing Red LED

Electrical:
Input Voltage: 9V Battery

Temperature Range:
Operating: 0° C to 75° C

Humidity:
10% to 90%

Dimensions:
4.5" X 4.8" X 3.7"

Standard Operation

With a flame detector operating normally, aim the DT201 on-axis at the face of the detector at an approximate distance of 3 to 8 feet. Press and hold the power button to activate the tester. The red LED on the front of the DT201 should begin flashing to indicate operation. The detector should respond within the time specified in the detector's manual.

Safety Note: If the detector is connected to an extinguishing system, the outputs to the system should be disconnected prior to testing to avoid accidental discharge.