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INTEGRATED FOUR-IN-ONE TESTER

Product Model

ABS-Q02

Type of test

Smoke detector,Temperature Detector
Flame Detector, Gas Detector

Material

Aluminum alloy box.
Detector material stainless steel.

Standard length

2.5m(If you need to lengthen, you can buy a connecting rod)






Product function overview

◎Four–in–one fire detection tester is a fire detector integrating smoke detection, temperature detection, flame, and gas. It can carry out a simulated test on the smoke detector, temperature detector, flame detector, gas detector, and complex detector.

◎Electronic atomizing and fuming technology is specially adopted for fuming. The specially–designed environmental–friendly liquid for vaporization is free from soot and tobacco tar and will not cause secondary pollution on the detector.

◎Electronic energy conversion technology is adopted to rapidly raise the temperature to the alarm threshold of temperature detector within a short time.

◎Flame test adopts infrared transmitting tube and ultraviolet phototube with output infrared waveband scope of (0.5 μ m~5.5 μ m), ultraviolet waveband scope of (185nm~255nm). Under high–speed SCM as the control chip, the infrared waveband with characteristic frequency and duty factor can be emitted and ultraviolet waveband in line with flame characteristic frequency can be output. The infrared optical filter with detachable structure can be applied to the spectral single–band infrared flame detector.

◎Gas test releases the stored combustible gas out of the tester through the gas switch and produces combustible gas surrounding gas detector.

◎Connecting rod can be added or reduced according to the height of the test site.

◎Fuming technology passed the fire safety department testing and certification and environmental protection testing and certification.

Product composition



① Packing box
② Tester
③ Connecting rod
④ Battery rod
⑤ Smoke liquid
⑥ Hexagon wrench
⑦ Charger
⑧ Gas key
⑨ Injector

Precautions:

1. If the product contains combustible gases, it should be placed in shady places below 30℃.
2. The first charging of battery rod (relay device to be purchased separately) should not be fewer than 8 hours.
3. As the body of the gun is made of stainless steel, it should be distanced from the electrified body in use.
4. As the head of the gun is made of anodizing aviation aluminum, it should be distanced from the electrified body in use.
5. Devices idle for a long time should be charged once a month.
6. Do not emit infrared or ultraviolet source to the naked eyes.
7. It's forbidden to touch optical filter with hands directly. The device can be cleaned with clean water and wiped with lens wiping cloth before usage.
8. When the device is not in use, the light source outer cover can be covered to prevent dust from affecting the efficiency of light source work.
9. Test temperature detector. Normally, a small amount of smoke will be released form the public output port of smoke detection.

Product parameters

◎ Battery voltage: DC7.4V,2200MA/H
◎ Charger output: DC8.4V， 1000MA
◎ Oil chamber capacity: 3ML
◎ Number of smoke detectors to be tested when the battery is fully charged: 450–800
◎ Number of heat detectors to be tested when the battery is fully charged: > 400
◎ Smoke source: environmental–friendly liquid for vaporization
◎ Temperature source: electronic heating
◎ The total length of the tester: 2.5m
◎ Materials of the tester: aluminum
◎ Materials of the connecting rod: stainless steel.
◎ Materials of package box: aluminum

Instructions

1. Charging:
   plug the dedicated power charger to the power port. After the device is fully charged, the charger indicator lights will change from red to green.
2. Absorb liquid for vaporization:
   absorb a proper amount of liquid with the injector.
3. Disassembly of sealing screw:
   rotate and remove screw counterclockwise and seal it clockwise.
4. Injection of liquid for vaporization:
   insert the needle of the injector into the opening and press 2–3 ml.
5. Observation port of liquid level:
   observe the height of liquid with in the liquid level chamber.
6. Connection:
   select the number of connecting rods according to the height and rotate to connect the tester and connecting rods clockwise or dissemble counterclockwise.
7. Function switch: three–position switch.
   "smoke detection" for the upper level.
   "temperature" for the middle level.
   " flame" for the lower level.
8. Air inflation:
   hold the tester with one hand and hold butane gas cylinder with another hand to insert the cylinder into tester inlet valve vertically with force for a few seconds.
9. Gas size adjustment: there are "big" and "small" signs within the adjustment hole to adjust the release amount of gas.
10. Gas switch:
    Insert the gas protection key into protection hole to launch the gas detection system(at this time, cut off the circuit of smoke, temperature, flame detectors and turn them to standby mode).
11. Flame and gas port:
    window with optical filter is the infrared light–emitting source. The window without an optical filter is the ultraviolet light–emitting source and the small hole is gas output hole.
12. Detection range:
    1) single–wave band infrared flame detector with a detection wavelength of 4.2–4.6 μ m(add optical filter)
    2) double–wave band infrared flame detector with a detection wavelength of 4.2–4.6 μ m(add optical filter)
    3) triple–wave band infrared flame detector with a detection wavelength of 4.2–4.6 μ m(add optical filter)
    4) single–wave band infrared flame detector with a detection wavelength of broad–spectrum(no optical filter)
    5) ultraviolet flame detector with the detection wavelength of 185nm~255nm.