

Diamond Jet Instruction manual

Diamond Jet is a unique high technology professional digital instrument where all of its operations controlled by microprocessor with latest computerized, superior surface mount technology featuring fast start-up and instant recovery for a test. This device separates real diamonds from traditional simulants. Equipped with super bright light that illuminate loose diamonds for grading in the raw. If the operator of this instrument does not carefully follow the instructions listed below the end result might be incorrect operation and misleading test result.

1. To begin operation: Remove protective Snap-On cap on the sensor end of the tester to expose the sensor tip. Slide On/Off switch to the "On" position. After the blinking red "Ready" light accompanied by a beep will come on signaling that the unit is "on" and ready to operate.
2. Testing for traditional diamond and simulant: press and keep the tip on the stone so that will audible "click" is heard. When the test is complete accompanied by a beep and signal automatically goes to appropriate light, which will illuminate the stone, and no further testing is required. If the stone is a diamond the green light will illuminate
If the stone is a simulant the yellow light will illuminate.
If metal the metal light will illuminate.
To activate the diamond light press the sensor tip quickly two times.
3. When testing the stone be sure that you place your thumb finger on the metal label in front of the device to prevent false indication.
4. Turn off: Slide the On / Off switch To "OFF" position, and store until next use.
If the instrument left turned On for more than (4) minutes the tester will automatically shut itself off and audible sound will sound every 10-seconds indicating that the On-Off switch needs to be returned to "OFF" position.
5. Operating temperature: This tester can operate in hot and relatively cold environment from 60F (+15C) to 100F (40C).
6. Cleaning: Occasionally the sensing tip on the Diamond Jet will need to be cleaned. To clean: lightly touch the tip on a piece of white bond paper.
7. Loose Stones: Your instrument kit contains a small metal plate for testing loose stones. Place the stone table face up on the metal plate and test. You will not obtain the readings with the plate unless you hold the plate with your other hand.
8. Power source: The Diamond Jet equipped with long lasting AAA alkaline batteries. In addition, the unit will operate with optional 4.5Volt/300MA AC/DC adaptor.

Features:

- 5-6 sec start up
- Instant recovery test
- Positively Firmly identifies diamond and simulants
- Tester can operate in hot and relatively cold environment from -60F (+15C) to 100F (40C) .
- Automatic shut off
- Metal detector
- All operations controlled by microprocessor with computerized latest surface mount technology
- Audible beep will sound when test is complete