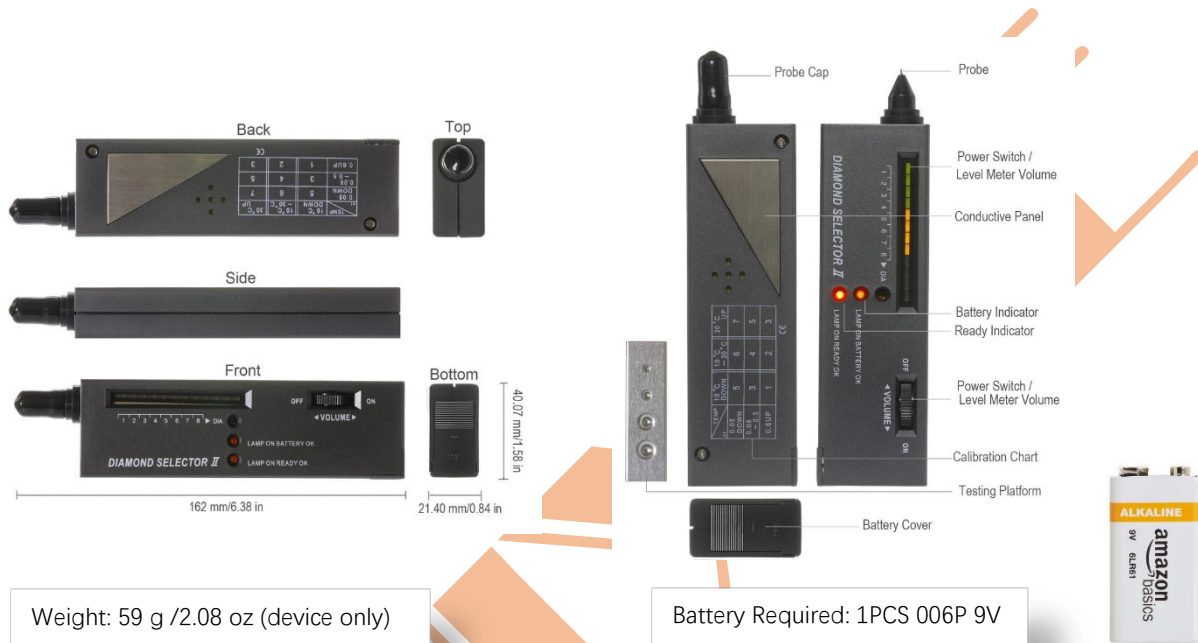


DIAMOND SELECTOR II

Thank you for your purchase. Please read this instruction carefully before operation.

OVERVIEW



PREPARATION

1. When operating the Diamond Selector II, use a battery of type 006P 9V

- 1). The lid of the battery cover can be easily slid off if you push it in the direction of the arrow.
- 2). Hook the battery in accordance with the + & - mark on the battery.
- 3). Insert the battery into the battery compartment, setting the hooked part on the lid side of the compartment

2. Turn on the Power Switch

3. Make sure that the Battery Indicator lights up

Note: In case that the Battery indicator does not light up or it becomes dim, new battery is required; replace the battery with a new one.

4. Wait for about 30 seconds till the ready indicator lights up

Note: the ready indicator automatically lights up as soon as the probe is warmed up to the fixed temperature.

5. The Power Switch/Level Meter volume wheel functions as calibrate to adjust the Level Meter. Turning it toward the direction of ON, the Level Meter Lamps light up from GREEN to RED in order.

ADJUSTMENT OF LEVEL METER II

With the Level Meter Volume, adjust the Level Meter in accordance with the size of the tested stone and the surrounding temperature

To calibrate, refer to the following Calibration Chart and make accurate adjustment of the Level Meter to obtain correct indication



CALIBRATION CHART

Heat conductivity is affected by surrounding temperature and stone size.

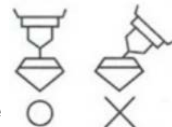
		SURROUNDING TEMPERATURE		
		10°C down 50°F down	10°C - 30°C 50°F - 85°F	30°C up 85°F up
STONE SIZE (any shape)	0.05ct. down	5	6	7
	0.06ct. - 0.5ct	3	4	5
	0.6ct. - up	1	2	3

- Under 0.05ct., set the Level Meter Lamp to light on up to 6
- From 0.06ct. to 0.5ct., set the Level Meter Lamp to light on up to 4
- Over 0.6ct., set the Level Meter Lamp to light on up to 2.

For example, when testing the stone of about 0.3 carat in colder temperature, set the Level Meter Lamp to light on 3 and in warmer temperature set it to light on 5

OPERATION

- Gently contact the Probe tip to the tested stone
- Too strong touch may bend or break the Probe tip
- As the O mark of the illustration, contact the Probe tip **perpendicularly** to the stone



INTERPRETING THE INDICATION

DIAMONDS	<ul style="list-style-type: none"> ➤ Beeping sound(beep-beep-beep) ➤ 1-4 pieces of the Red Lamp box of the Level Meter light on. (The bigger the size of the stones, the more pieces of the Red Lamp box of the Level Meter light up.)
DIAMOND SIMULANTS	<ul style="list-style-type: none"> ➤ No Beeping sounds. ➤ No Red Lamps light on.
METAL ALERT	<ul style="list-style-type: none"> ➤ Continuous buzzing sound (The thermal conductivity of the metal is very high and can give the same indication as a Diamond with most Thermal Probes the Diamond Selector II has a Metal Alert buzzer to warn you when the Probe tip touches metal.) ➤ If you hear the Metal Alert buzzing sound, re-touch the Probe tip to touch only the tested stone.

ATTENTION:

1. Before starting the test, wash the stone cleanly.

Oil and dirt dull the sensitivity of the Diamond Selector II.

2. All the tests must be done by your bare hands.

If your hands have very dry skin or you put on your gloves, the Metal Alert will not function since a normal moisture level of your hands is necessary for operation.

3. Hold the Diamond Selector II so that your fingers touch the Electricity Conductive Panel on the back of the unit.
4. In case of stones set in metal (*rings, pendants, bracelets, watches, etc.*) hold the metal part with your bare hand.
5. In case of loose stones, place the tested stone on the Testing Platform, then hold the Diamond Selector II in one hand and the Platform with your other hand.
6. When testing a lot of stones continuously, sometimes be sure to check if a certain number of the Level Meter Lamp mentioned on the Calibration Chart remains lighting on as well as to check if the Battery Lamp 4 surely lights on
7. If you hold the ring with your bare hand for a long time in order to test a lot of melee stones (*very small size stones*) set in it, the ring is warmed up by your body temperature and accordingly, it may dull the sensitivity of the Diamond Selector II, so sometimes be sure to leave the ring apart until it gets its normal temperature
8. Avoid use in front of cooling/heating source of fan, or direct strong wind as they may affect indication.
9. In case of testing the stone, which has been kept in the extreme low or high temperature, start the test after it gets its normal temperature

MAINTENANCE

1. After use, always turn off the Power Switch, keep it in the attached vinyl case and avoid dust and humidity.
2. Since the Diamond Selector II is constructed by the precise electric circuits, never attempt to open anything except the lid of the Battery Compartment.
3. In case of not using the Diamond Selector II for a longtime take out the battery from the unit since the battery may be sometimes corroded.

ITEMS INCLUDED:

- 1 x diamond selector II
- 1 x testing platform
- 1 x vinyl case

Note: this user manual subject to change without notification