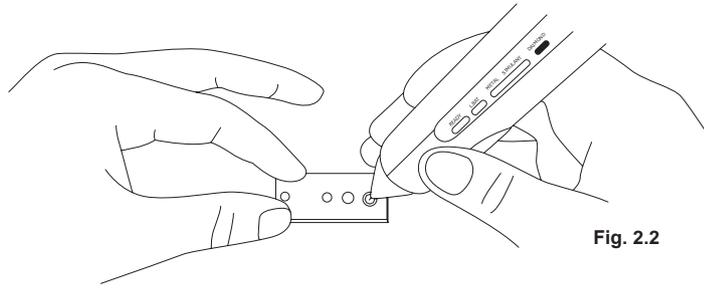


For testing loose gemstones

Place the gemstone on the metal stone tray and it with one hand while holding the tester with the other hand (**Fig.2.2**).



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2. PERFORMING A TEST with SmartPro Finder I

Place the tip of the probe pen against the gemstone. Apply minimal pressure to fully depress the tip into the probe pen for correct reading. This is to provide a steady and constant contact made between the probe tip and the gemstone.

For mounted jewelry or gemstones

Hold the jewelry or gemstone with one hand and the tester with other hand (**Fig.2.1**). For proper operation of the tester, the thumb and index finger must always be placed on the metal-plated serrated part located on both sides of the tester at all times. Care should be taken when testing mounted jewelry. User must ensure that the stones are securely mounted before conducting a test as gap between stone and setting might lead to inaccurate reading.

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Battery information

Do not leave worn out batteries in the battery compartment as the batteries may corrode, leak, and damage the tester. Batteries should be removed when the tester is expected to be stored for an extended period of time.

To prevent inaccurate readings, replace with new battery as soon as the "Low Battery" indicator LED is blinking and become faster when battery near to empty.

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TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, under no circumstances shall SmartPro, its manufacturer or any of its subsidiaries, licensors, distributors, resellers, servants and/or agents be responsible for any special, incidental, consequential or indirect damages howsoever caused.

The tester or SmartPro Finder I (SPF I) referred to in this user manual is provided and/or sold on an "as is" basis. Except as required by applicable law, no warranties of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

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The SmartPro Finder I features the following:

- High efficiency diamond tester
- Retractable thermoelectric probe tip that ensures constant pressure between probe tip and gemstone
- Industry's thinnest probe tip (0.48mm) for testing diamonds as small as 0.01ct
- Diamond indicator LED blinking with sound
- Metal detection indicator LED alarm with ringing sound.
- Simulant indicator LED
- Low battery indicator LED
- No waiting time between tests
- Super Clear & Bright LED display
- Automatically power-off within 2 minutes (Sleep mode)
- Powered by AAA batteries (x2)

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I. Disclaimers, Exclusions and Limitations of Liability

PLEASE READ AND NOTE SMARTPRO WARRANTY TERMS AND CONDITIONS as stated in the warranty card. SmartPro warranty for its testers are subject to proper use by its user in accordance with all the terms and conditions as stated in the relevant user manual book and shall cover only manufacturing defects.

Due to continuous product improvement, SmartPro reserves the right to revise all documents including the right to make changes to the user manual without notice and without obligation to notify any person of such revisions or changes. Users are advised to check SmartPro's website <http://www.smartproinstrument.com> from time to time.

SmartPro shall not be responsible for any damage or loss resulting from the use of this tester or user manual, and under no circumstances shall SmartPro, its manufacturer or any of its subsidiaries, licensors, distributors, resellers, servants and/or agents be liable for any direct or indirect damages, resulting from the use of this tester.

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II. About the SmartPro Finder I

The SmartPro Finder I is a pocket sized instrument that instantly verifies the authenticity of diamonds based on their thermal properties. Diamonds, with their exceptional heat conductivity properties, are unlike any other simulants, natural or synthetic, and are therefore not easily replicable.

As with all thermal testers in the market, the SmartPro Finder I is not able to differentiate between natural diamonds and moissanite.

The SmartPro Finder I has been subjected to thorough and extensive laboratory tests, and will generally give a clear and reliable reading of the gemstone being tested under proper use. However, you are advised to conduct further supporting tests.

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Include in your package:

- a. SmartPro Finder I
- b. User manual book
- c. Warranty card
- d. Protective carry case
- e. Probe tip oxidation sheet
- f. Neck strap
- g. Metal stone tray

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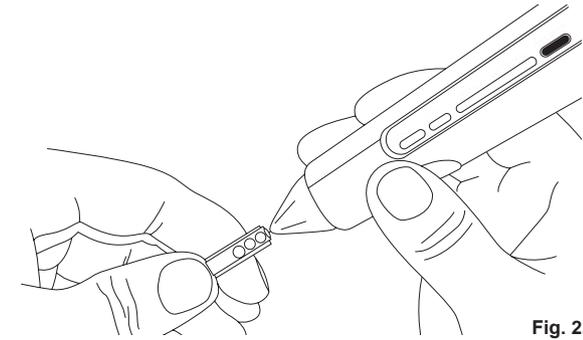


Fig. 2.1

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Calibration

All testers have been calibrated during the manufacturing process and no further adjustment or user intervention to the tester is required.

Self-calibration should not be attempted. To minimize any risk associated, user should contact SmartPro at customercare@smartproinstrument.com or its service center for assistance. In the event that users require the manufacturer to re-calibrate the unit, the users will bear the associated to/from freight cost for the shipping of unit to the service center.

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Gently rub the table of gemstone against the tissue/jewelry cloth and place the gemstone on the center of the test pad (**Fig.1.8**).

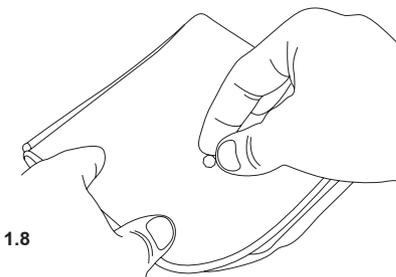


Fig. 1.8

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Cleaning your gemstone prior to testing

Prepare clean tissue / jewelry cloth. Carefully retrieve the gemstone with tweezers and place the gemstone face down the table (Fig.1.7).

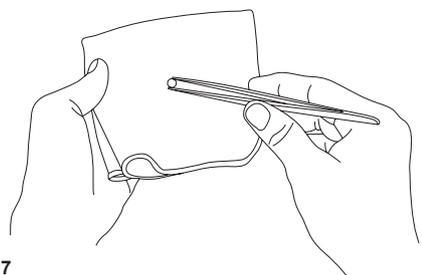


Fig. 1.7

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Recommended testing conditions

The gemstone should be clean and dry before testing. However, elaborate cleaning procedures are not normally necessary (Fig.1.6).

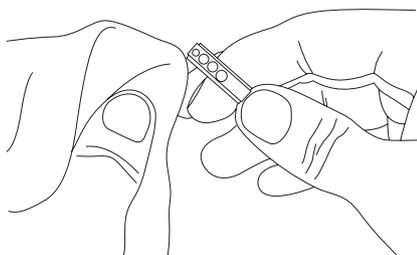


Fig. 1.6

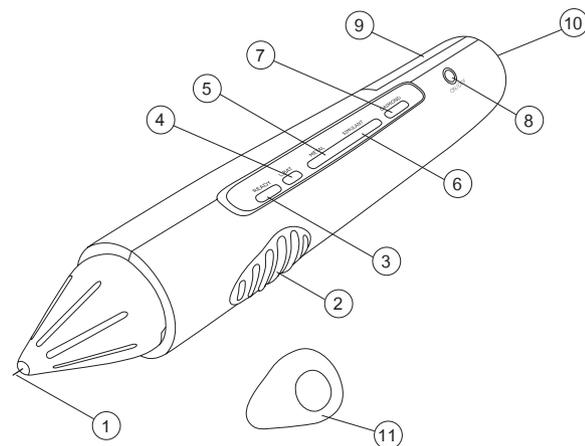
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Cleaning the probe tip

Please note that if the tester is being used for the first time, or if the tester has not been used for a week, it is advisable to clean the probe tip using an oxidation removal sheet to attain consistent and accurate reading.

- Ensure the unit is switched off.
- Hold the probe pen with pen tip forming the right angle (90 degree) with an oxidation removal. Gently move in a circular motion without retracting the tip (Fig. 1.5).
- Repeat the same motion several times. The cleaning process is completed and tester is now ready for use.

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Composition

- Retractable probe tip
- Serrated Metal Part
- “Ready” Indicator LED
- “Low Battery” Indicator LED
- “Metal” Indicator LED
- “Simulant” Indicator LEDs
- “Diamond” Indicator LED
- ON/OFF Button Switch
- Battery compartment
- Neck Strap Attachment
- Probe Protective Cap

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- Do not drop, knock, or shake the tester. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the tester.
- Do not paint the tester. Paint can clog the moving parts and prevent proper operation.

If the tester is not working properly, kindly contact our customer service at customer@smartproinstrument.com

SmartPro Instrument co.,ltd
249/40, Moo 9, J.S.P. Building
Bangbon 1 Rd., Bangbon
Bangkok 10150 Thailand
+66 (0) 2 899 2956-7
Attn: Customer Service Executive

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Turning on

Remove the protective cover from the probe tip (Fig. 1.2).

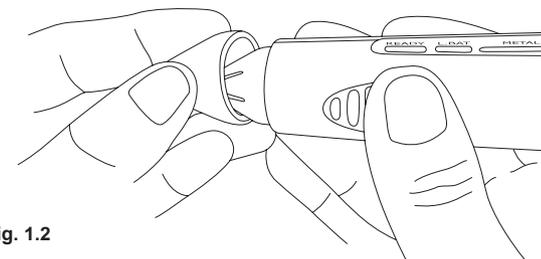


Fig. 1.2

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III. IMPORTANT NOTICE

- Keep the tester dry. Precipitation and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your tester does get wet, remove the battery, and allow the tester to dry completely before replacing it.
- Do not use, store or expose the tester in dusty and dirty areas. Its moving part and electronic components can be damaged.
- Do not use, store or expose the tester in hot areas. High temperatures can damage or shorten the life of the tester, damage batteries, and warp or melt certain plastics.
- Do not use, store or expose the tester in cold areas. When the tester returns to its normal temperature, moisture can form inside the device and damage electronic circuit boards.
- Do not attempt to open the tester other than as instructed in user manual book.

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1. GETTING STARTED with SmartPro Finder I

Powering up

This tester can be powered by the use of batteries. Required AAA Batteries (x2), take note of the positive (+) and negative (-) directions of batteries (**Fig 1.1**). The use of Alkaline batteries is preferred, as it should generally give approximately 2.5 hours continuous operation, While the use of ordinary batteries will give a shorter working life.

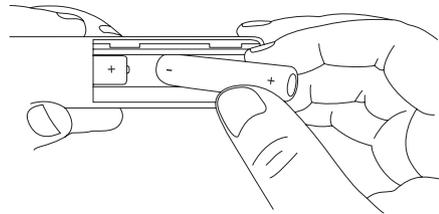


Fig. 1.1

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Press the [ON/OFF] button (**Fig. 1.3**) and wait for warm up the tester about 20 seconds.

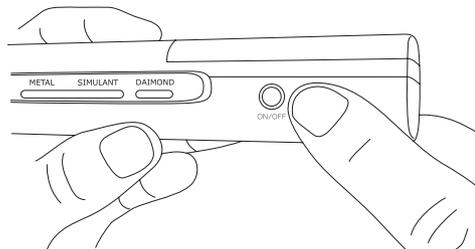


Fig. 1.3

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The recommended testing temperature is 18°C - 27°C or 65°F - 80°F Please allow the gemstone or jewelry piece to adjust to room temperature prior to testing. Exposure and/or operation of the tester outside the room temperature would affect the result and performance of tester.

The probe tip must be placed at the right angle or perpendicular to the facet of gemstone for an accurate reading.

Tests should be conducted on the table of the gemstone. In the event of any doubt, kindly test on the girdle of the gemstones instead.

To achieve optimum accuracy for tests involving very small, it is important to allow the gemstone to cool down before subsequent tests.

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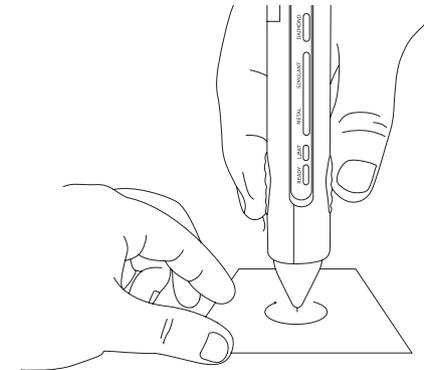


Fig. 1.5

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While in this preparation mode, you can check status through the ORANGE "Ready" LED will blink continuously until has the steady lighting with beep sound It's means your tester is ready now for use (**Fig.1.4**).

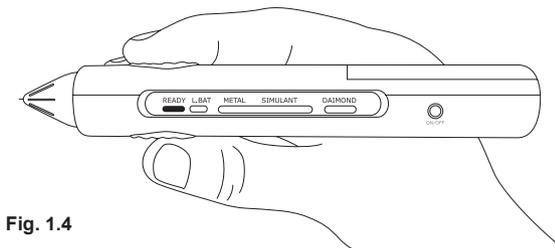


Fig. 1.4

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4. TAKING CARE of your SmartPro Finder I

- a. The probe and wire tip is extremely sensitive and should be handled with care. Please always replace the protective cap. Caution should be taken so as not to damage the probe and wire tip.
- b. Do not leave worn out batteries in the battery compartment as the batteries may corrode, leak or damage the tester. Batteries should be removed when the tester is expected to be stored for an extended period of time.

Thank you for choosing our SmartPro Finder I and taking time for the user manual book which will enable you to understand your recent purchase better.

SmartPro Instrument also recommends that you register your warranty by sending the warranty registration card to us or registering online at <http://www.smartproinstrument.com>



3. READING TEST RESULTS on SmartPro Finder I

The test results are indicated as follow:

- a. RED "Simulant" LED light running up : Simulant is detected.
- b. BLUE "Diamond" LED 2 times blinking with sound : Diamond is detected.
- c. RED "Metal" LED blinking with continuously ringing sound : Metal is detected.