

Congratulations on your purchase of the AuRACLE AGT2 mobile gold and platinum tester by GemOro Superior Instruments, the most trusted name in testing instrumentation for the jewelry industry.

PLEASE BE CERTAIN TO READ THE ENTIRE EASY OPERATION GUIDE AND OWNERS MANUAL BELOW BEFORE USING YOUR GEMORO AURACLE AGT2.

GemOro **AuRACLE™** AGT2
Mobile Gold & Platinum Tester
EASY OPERATION GUIDE

*The AGT2 **MUST** be used while following the below easy steps and recommendations to get accurate test results.*

Before downloading the application, please note the appropriate system requirements for your particular mobile device:

APPLE: Requires Apple iOS 5.1 or higher.

ANDROID: Requires Honeycomb 3.1 or higher, USB host and/or USB On-The-Go (“USB OTG”) support, (please check your hardware manufacturer’s documentation to ensure support for USB host or USB OTG).

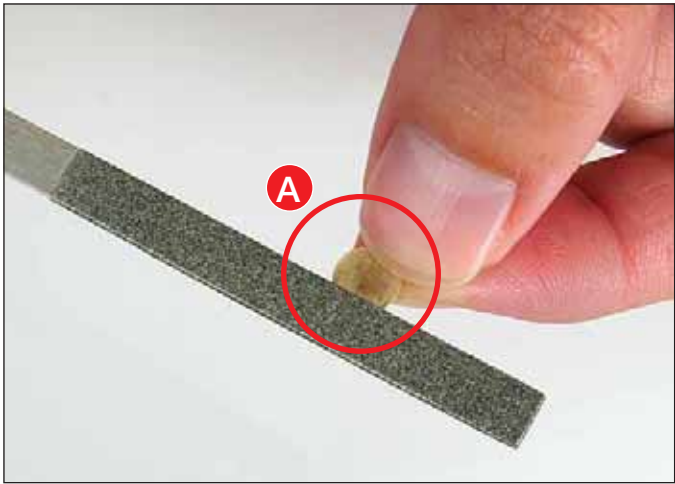
STEP 1: AGT2 APP DOWNLOAD AND COMPONENT ASSEMBLY

Turn on your mobile device and download the AGT2 app. After the app has been downloaded, launch it. Assemble the AGT2 components by attaching the cables, pen probe and testing plate to the AGT2 micro connection hub where indicated. The testing plate plugs into the jack labeled TRAY, the pen probe plugs into the jack labeled PEN and the mobile device plugs into the jack labeled DEVICE.

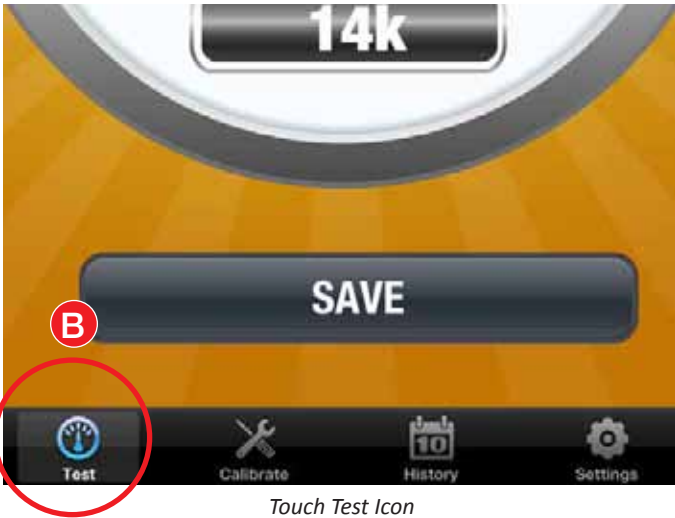
STEP 2: CHECK PEN PROBE & ELECTRICALLY CHARGE IT FOR USE

Remove the pen probe cap, then dab the pen probe’s felt tip on a clean, dry paper towel to clean it and absorb any excess pen probe solution, leaving the pen probe’s felt tip the consistency of a normal felt tip pen or marker. ***With new pen probes, they are typically slightly overfilled to provide maximum usage and consequently, excess solution will likely come out when the pen probe is initially used and for a period of time thereafter. Therefore, the need to continuously dab the pen probe’s felt tip on a clean and dry paper towel until the level of pen probe solution is reduced to the optimal level will be required.*** Be aware that if the pen probe solution drips from an overfilled pen probe and simultaneously touches both the gold or platinum and the testing plate it will not work. File a small area on the surface of the calibration piece that

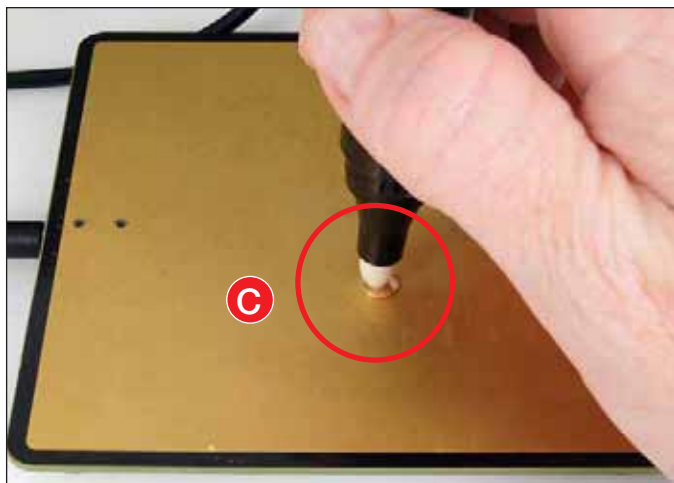
is non-plated 10K, 14K, 18K, 22K, 24K or platinum **A**. Filing the metal is an important part of calibrating and testing gold as well as platinum, so always make sure this is done in order to get proper results. Rest the calibration piece on the testing plate with the filed area facing up. Touch the Test icon on your screen **B**. Check that the pen probe is working by holding it upright at an approximate 90° angle and gently yet firmly touching the very end of the pen probe's felt tip to the filed area of the calibration piece **C** until the reading settles **D**, which is typically in 2 to 3 seconds, yet sometimes it may take longer depending if the pen probe is new or has no charge at all. At this point the pen probe is charging and note that it is not important where the reading settles since it has not been calibrated yet. Repeat this process 3 times and wait for the reading to settle each time. By repeatedly touching the calibration piece it is electrically charging the pen probe for use, which is a vital part of the start up process.



File Calibration Piece



Touch Test Icon



Hold Pen Probe at 90° Angle to Gold



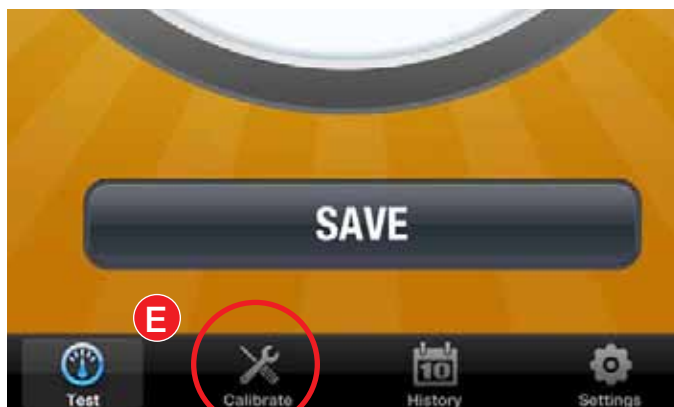
Test Results Settle in 2-3 Seconds

STEP 3: CALIBRATION PROCESS

- Always charge the pen probe as described in STEP 2 and calibrate it after each time it is turned on. Recalibrate it as necessary while in use. It is recommended to keep the AGT2 turned on throughout the day.
- **Use only common 10K, 14K, 18K, 22K, 24K or platinum that is non-plated to calibrate the AGT2.** Be aware that 14K yellow gold with a high silver content above 7% will not provide a proper calibration. Also, gold with an uncommon mixture of alloys may not provide a proper calibration. Using the optional AGT2 14K Yellow Gold Calibration Disc is recommended.

APPLE CALIBRATION

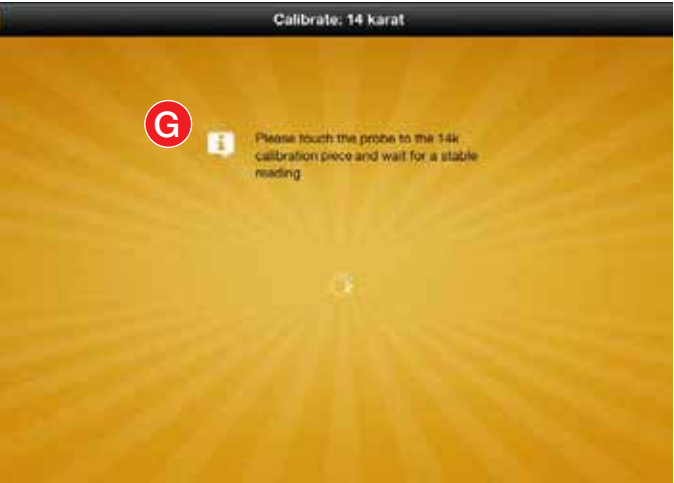
- Touch the CALIBRATE icon at the bottom of your screen **E** and then choose by touching the karat of gold or platinum you wish to use **F** to calibrate the AGT2. The AGT2 will then automatically prompt you to touch the very end of the pen probe's felt tip to the calibration piece **G**.
- Lightly yet firmly always only touch the very end of the pen probe's felt tip to the filed area on the calibration piece at an approximate 90° angle to the gold **H** and wait until the reading stabilizes.
- Once the calibration process has been completed, the screen will then display Calibration Successful **I**. You may now remove the pen probe's felt tip from the calibration piece.
- Touch the DONE button **J** on the screen and your AGT2 is now calibrated and will return you to the testing screen.
- At various times, the app will show a red indicator light and display Calibration Required **K**. By calibrating the AGT2 this indicator will go away.



Touch Calibrate Icon



Touch Desired Karat or Platinum for Calibration



Prompt for Calibration Step



Hold Pen Probe at 90° Angle to Gold



Calibration Successful Message & Touch Done Icon to Complete Calibration



Calibration Required Reminder

ANDROID CALIBRATION

- Touch the CALIBRATE icon at the top of your screen **L** and then choose by touching the karat of gold or platinum you wish to use to calibrate **M** the AGT2. The AGT2 will then automatically prompt you to touch the very end of the pen probe's felt tip to the calibration piece **N**.
- Lightly yet firmly always only touch the very end of the pen probe's felt tip to the filed area on the calibration piece at an approximate 90° angle to the gold **O** and the display will show Calibration in Progress. Wait until the reading stabilizes.
- Once the calibration process has been completed, the screen will then display Calibration Complete **P**. You may now remove the pen probe's felt tip from the calibration piece to begin testing.



Touch the Calibrate Icon



Touch Desired Karat or Platinum for Calibration



Prompt for Calibration Step



Hold Pen Probe at 90° Angle to Gold



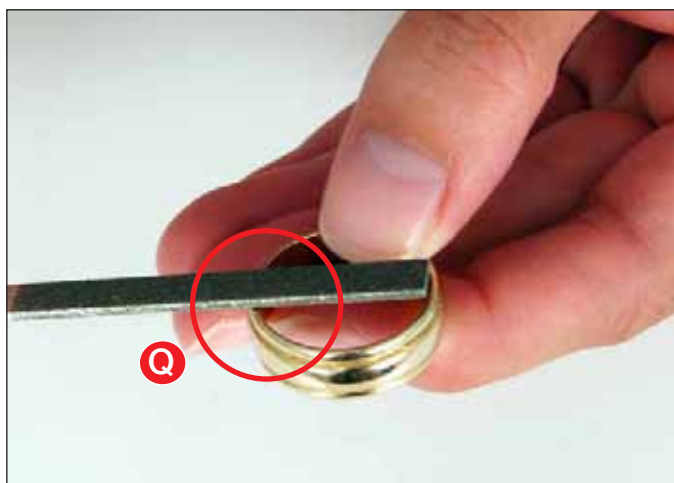
Calibration Successful Message

STEP 4: RE-CHECK READINESS

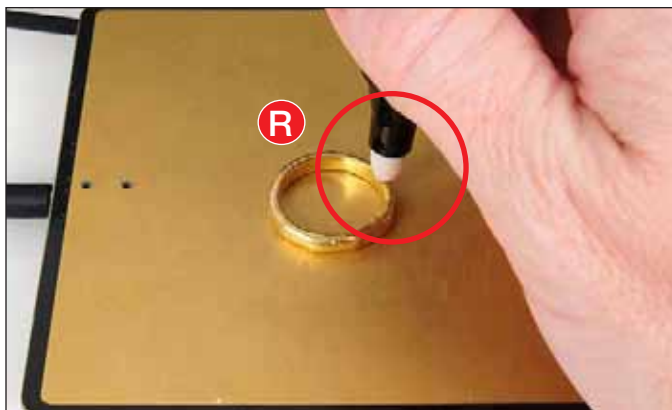
- Touch the very end of the pen probe's felt tip to the calibration piece again to make sure that your calibration piece tests correctly. Your AGT2 is now calibrated and ready to use.
- If your AGT2 does not test correctly when rechecking, dab the pen probe's felt tip on a clean, dry paper towel and repeat STEP 3. Trying an alternate calibration piece may also resolve the problem.

STEP 5: TESTING GOLD AND PLATINUM

- To test gold and platinum, always first file a small area on the surface of the metal **Q** and rest it on the testing plate with the filed area facing up and be prepared to test that area.
- Touch and hold the very end of the pen probe's felt tip to the filed area on the metal **R** until the reading settles. Only touch the very end of the pen probe's felt tip to the gold or platinum being tested. **BE CERTAIN NOT TO TOUCH THE SIDE OF THE PEN PROBE'S FELT TIP WHEN TESTING GOLD OR THE TEST RESULTS WILL RISE TO A HIGHER KARAT THAN IT IS.** Due to the various shapes of jewelry it may be beneficial to hold the jewelry on the testing plate with your fingers to stabilize it and make certain you are making good contact with the pen probe's felt tip and the metal during the test. Depending on the alloys and percentages of each used to make the specific karat gold, the test results will vary within the range of that karat. Be aware that platinum will test as PT or alternate between PT and the NA on the far right of the bar graph.
- If inconsistent test results are experienced always dab the pen probe's felt tip on a clean, dry paper towel and as needed recalibrate the AGT2 while in use.
- Always replace the pen probe's cap until it snaps on when not in use to avoid contamination and keep the pen probe's felt tip from drying out.



File Gold Before Testing



Touch Filed Area of Gold When Testing



Apple Test in Progress



Apple Test Complete



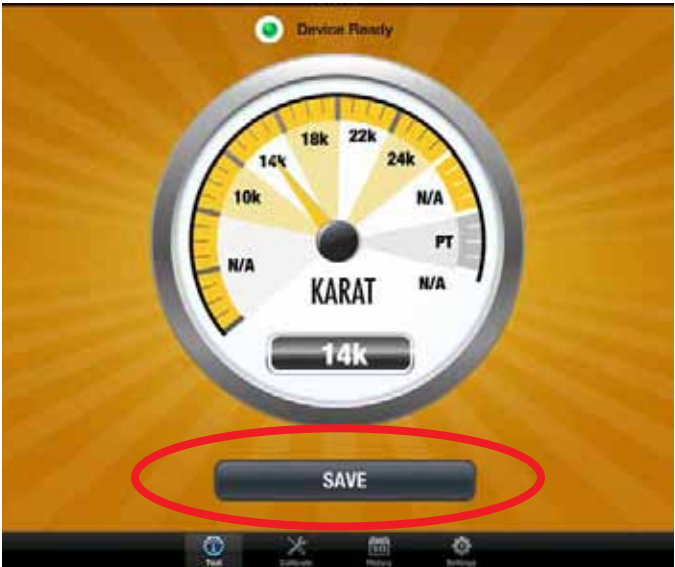
Android Test in Progress



Android Test Complete

STEP 6: SAVE

By touching this button on your screen this allows you to save the last test results to your AGT2's history.



Apple Save Button

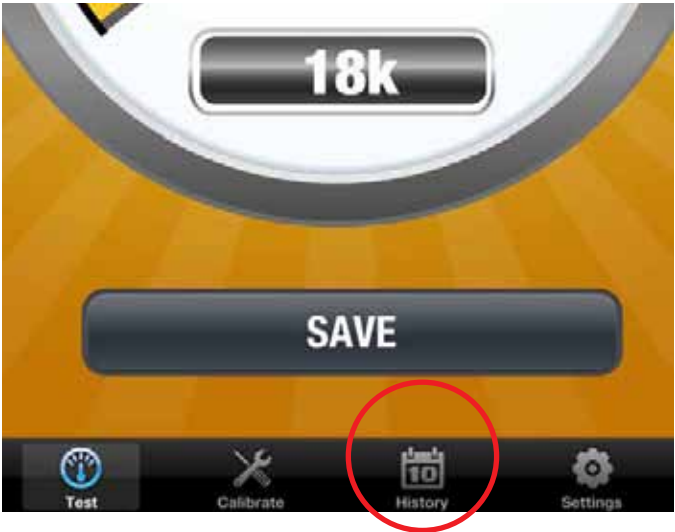


Android Save Button

STEP 7: HISTORY

APPLE HISTORY

To access your AGT2's saved testing history, touch the History icon on the bottom of your screen. Touch any test result and an input screen with a keyboard will appear, allowing you to insert any specific notes about that test.



Touch History Icon to View Previous Tests



Displayed Test History Screen

ANDROID HISTORY

To access your AGT2's saved testing history, touch the HISTORY icon on the top of your screen. Touch any test result and a field will appear to the right of your screen. Touch the field and a keyboard will appear to allow you to insert any specific notes about that test.



Touch History Icon to View Previous Tests



Displayed Test History Screen

STEP 8: SETTINGS

APPLE SETTINGS

- To access the AGT2 settings, touch the Settings icon at the bottom of your screen.
- Choose between the two display options by touching the style display you want to use and then touch Test at the bottom of your screen to begin testing.
 - Analog Dial Meter:** This display features a convenient dial format that shows you the test results by a needle moving to the appropriate reading.
 - Horizontal Bar Meter:** This display features a convenient bar graph reading and an alphanumeric digital karat, platinum or NA reading.
- Prevent screens auto-off function from engaging by touching Prevent Lock-Screen so AGT2 may be used continuously.
- Demo mode automatically simulates testing gold, platinum and using the various functions.



Touch Settings Icon



Touch Display Option, Prevent Lock-Screen or Demo

ANDROID SETTINGS

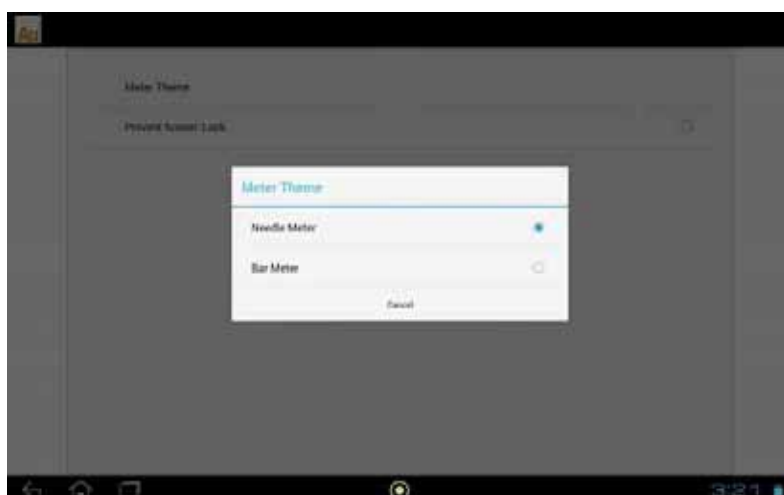
- To access the AGT2 settings, touch the SETTINGS icon at the top of your screen.
- Choose between the two display options by touching the Meter Theme and then the style display you want.

Needle Meter: This display features a convenient dial format that shows you the test results by a needle moving to the appropriate reading.

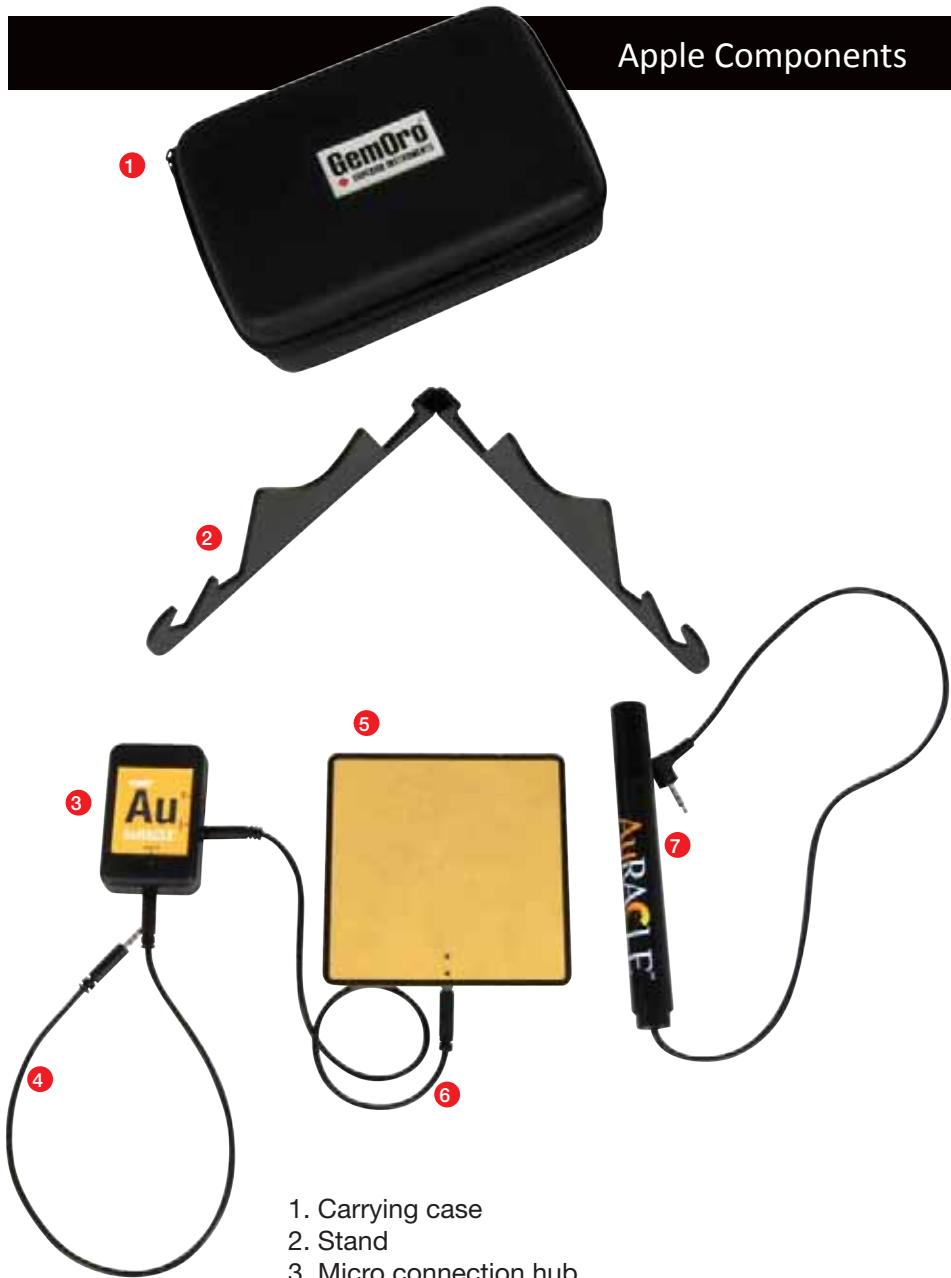
Bar Meter: This display features a convenient bar graph reading and an alphanumeric digital karat, platinum or NA reading.



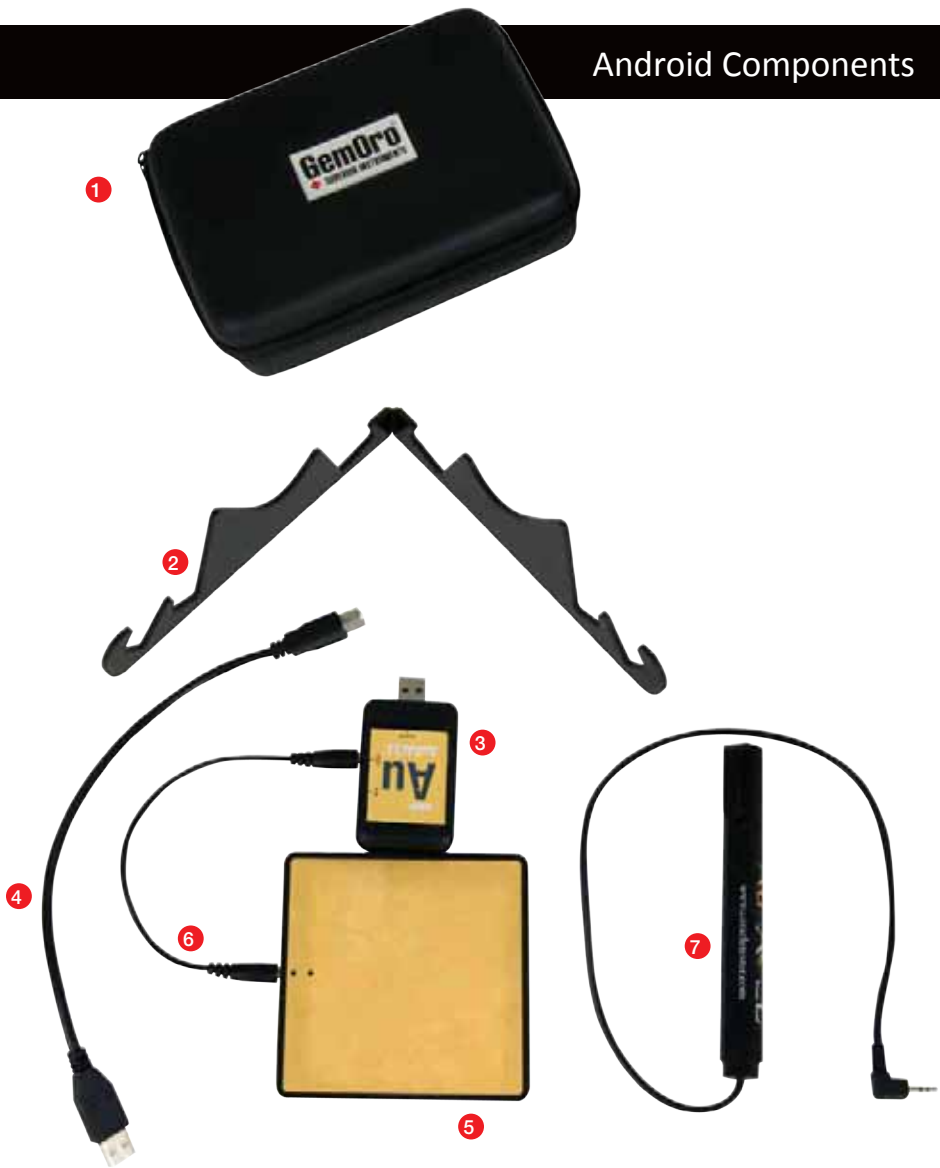
Touch Settings Icon



Touch Display Option



1. Carrying case
2. Stand
3. Micro connection hub
4. Cable connecting hub to Apple device
5. Testing plate
6. Cable connecting hub to testing plate
7. Pen probe



1. Carrying case
2. Stand
3. Micro connection hub
4. Cable connecting hub to Android device
5. Testing plate
6. Cable connecting hub to testing plate
7. Pen probe