



Caution!

The included magnet is very strong!

- Keep magnet and magnetic scale out of reach of children
- Keep magnet away from sensitive electronic devices
- Keep magnet away from cardiac pacemaker and other life supporting devices
- Keep magnet away from other magnets
- Watch the space of influence around the magnet
- No metal objects within one meter of the magnet
- Keep big and pointy metal items away from the magnetic scale
- Watch for pieces of metal when assembling (e.g. parts of furniture, frames, etc.) – danger of entrapment

Cover

Glass body

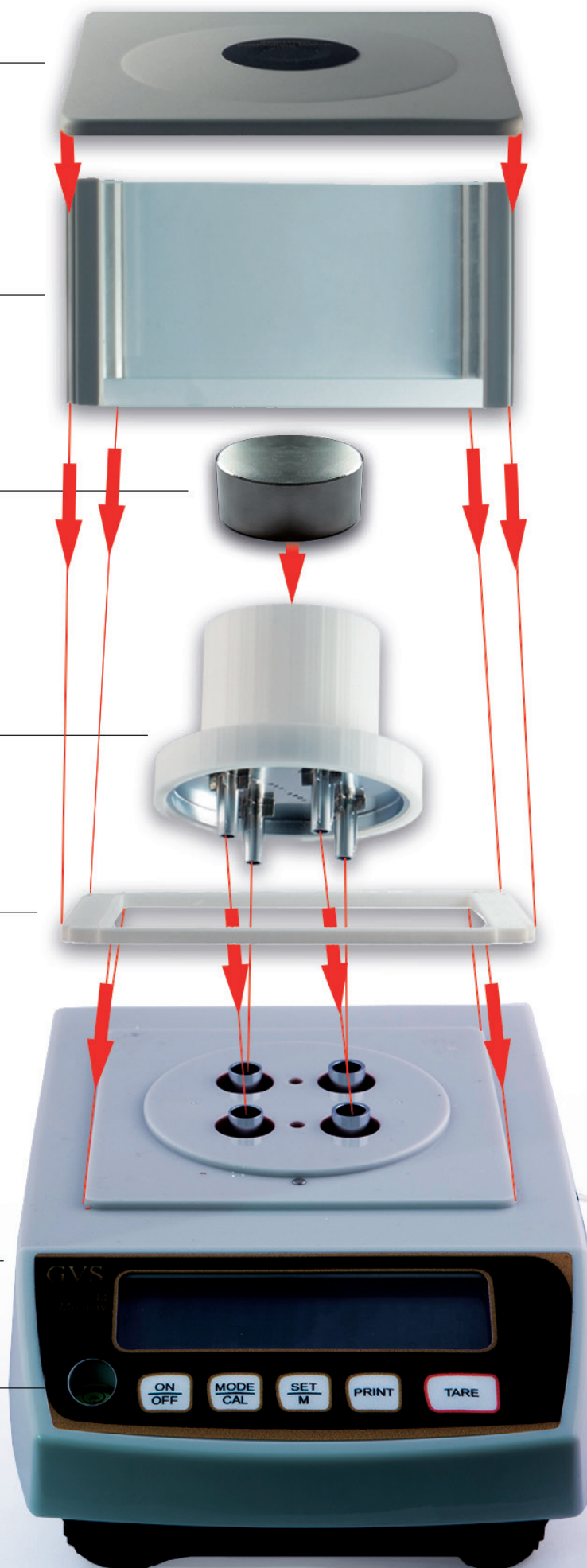
Magnet

Socket

Ring

Scale

Bubble Level

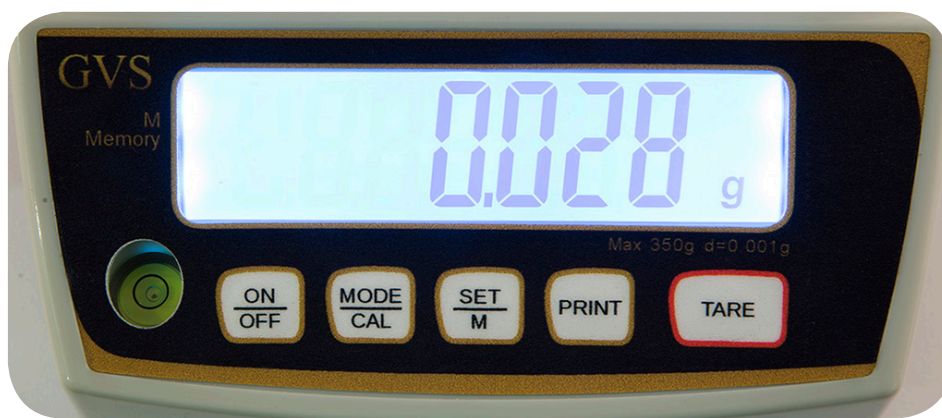


GVS Bullion Tester

Magnetic scale for genuineness testing of precious metals

Assembly

1. Set the scale on an even surface.
2. Place the ring on the scale so that the inner side is flush with the embossment.
3. Insert the socket with the extensions into the designated holes.
4. Place the magnet in the recess on top of the socket.
5. Place the glass body so that the inner side is flush with the ring and put the lid on top.



Keyboard Functions

ON/OFF: Turn the scale on/off

MODE/CAL: Select menu items, Adjustment (not needed in magnetic scale setup)

SET/M: Confirm settings in the menu (not needed in magnetic scale setup)

PRINT: If required send weighing data via VGA-interface

TARE: Set scale to 0.000 (taring) before each measurement

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Before switching on

Place the GVS Bullion Tester on an even and stable surface. Check the water level bubble and adjust the stands by turning to place the bubble at the center. Keep the Bullion Tester away from electronic and magnetic devices. The results could be influenced by being too close to those. Leave the GVS Bullion tester assembled for about twelve hours before the initial operation. During this time, the springs in the scale can adjust to the weight of the magnet.

Genuineness Test

1. Press the "ON/OFF" button and wait until 0.000 is displayed
2. Place the test object on the test area (black circle).
3. Compare the obtained values with the reference values from the list.

Values are within range:

The test object is with high probability original.

Slightly divergent values:

To be certain use another testing method.

Strongly divergent values:

The test object is with high probability counterfeit.

Mode of Operation

Every element reacts differently to magnetic forces. Some are attracted whereas others are repulsed. This depends entirely on the composition of the metal. Precious metals such as gold and silver are only weakly repulsed by a magnetic field. Popular counterfeit materials (like e.g. tungsten, molybdenum, tantalum, hafnium, iridium, rhenium), on the other hand, are attracted by magnets.

Validated are the magnetic properties of the test object. To that end, the object is placed above the high performance magnet without touching it. This allows to measure the magnetic attraction or repulsion exclusively.

Frequently asked questions

What kind of metals can I test?

All metals. You only need correct reference values. You can find numerous reference values here: gvs-bullion.com/tester.

Do I have to remove packages?

No. Magnetism is not influenced by the package.

Can I test more coins simultaneously?

- Yes. Depending on the thickness maximum 10 coins.
- Bigger packaging units can simply be measured from different sides..

Can I test large bullion bars?

Yes. Simply place different spots above the magnet.

Why does the display not stay at 0.000?

- Scale not adjusted to weight of magnet. Try longer adjustment.
- Other magnetic objects too close to the GVS Bullion Tester.
- Assembly not correct. Check if the device is level (bubble level).
- With the "Tare" button you can set the scale quickly to 0.000.