

KERRO DENSITY WEIGHING SCALE

Whether you are buying precious metals such as gold, selling or producing jewelry, or making metal, or recycling used metals, you need a quick way to determine the percentage purity, as as precious and non-precious metals, with extreme precision. The first time, in order to effectively control product quality, set a reasonable price.

Applicable to: jewelry industry, banking, pawnshop, gold and precious metals research laboratory

Principle: Accurate and fast reading of gold (k number), density and purity % according to the Archimedes principle buoyancy method. Regardless of any unknown metal species, the operator does not have to choose a test template, and the software intelligence matches the best calculation method to test unknown metals quickly, accurately and without damage.



Specification:

Model: BL-3203

Maximum weight: 320G

Weighing accuracy: 0.001g

Density accuracy: 0.001 g/cm³

Purity: 1%-99.999%

K number: 1k-24k

Test item	function display
D-G pure gold test	Gold percentage / K value / density value / volume
D-K K gold test	K-1 gold + copper / K-2 gold + copper + silver / K-3 gold + silver / density / pure gold percentage / volume)
D-P Platinum (Pt) value determination	P-1 Platinum + Nickel / P-2 Platinum + Palladium / Density / Volume
D-A any metal density test	density volume

Features:

1. Quick and accurate determination of precious metal purity % and gold K number: only two weighing steps are required.
2. No traces and contamination will be left after the measurement, no need to use sulfuric acid solution or test standard samples.
3. It is also easy to determine the Brazilian fire gold with a coating thickness of >30 μ m or more.
4. special software design, can directly display the gold K number (including gold, copper, silver, gold and silver, gold and copper), gold purity% (including gold, copper, silver, gold and silver, gold and copper)
5. with upper and lower limit function, wide K number range from 1K to 24K can be freely set HI and LO data.
6. with a mixture ratio function, can test other precious metals. Such as: platinum, silver, palladium, copper, enamel, etc.
7. Adopt large sink design to reduce the error caused by the buoyancy of the hanging bar line.
8. Can not test the sample with gems, hollow. Can be used as a general balance

Measurement steps:

- 1 Put the sample into the measuring table, measure the weight in the air, and press the button to remember.
- 2 completely immerse the sample in water, measure the weight of the water, press the key memory, and directly display the density value.

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