

Suitable for: Jewelry industry, Gold and Precious Metal research lab, Jewelry shop, Bank, Pawn industry



Principle: According to the buoyancy method of Archimedes, can read the gold karat, density and purity% rapidly and accurately.



Functions :

1. Only two weighing steps, the purity% of precious metals and gold karat can be tested rapidly and Accurately.
2. No stains and scratches left on your gold after testing, it doesn't need to use the sulfuric acid solution to test the standard samples.
3. It can easily judge the alloys with the metallic-membrane plating of more than 30 μ m thickness.
4. With the special software design, it can directly and circularly show the gold karat (including gold-copper-silver, gold-silver, gold-copper), gold purity%(including gold-copper-silver, gold-silver, gold-copper)
5. With the function of high limit and low limit, the wide karat range from 9K to 24K and the data of HI and LO can be set freely.
6. With the mixture proportion function, it can test other precious metals, such as: platinum, silver, palladium, copper, rhodium...and so on
7. It has the RS-232C interface, can easily connect to the PC and the printer.
8. It adopts design of tank (the maximum dimension of the sample is D100×W70×H25mm for solid measuring), this can decrease the inaccuracy caused by supporting wire's buoyancy.
9. Can't test the samples inlaid precious stones and hollow samples. It can be used as general balance.

Specifications :

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| Model | GP-300K | GP-1200K |
| The maximum weight | 300g | 1200g |
| The probable weight for measuring samples | 5~300g | 10~1200g |
| Weighing precision | 0.01g | 0.02g |
| Density precision | 0.01 g/cm ³ | |
| Setting of temperature and solution compensation | can be set freely | |
| Gold | Display value | Gold karat, density, purity% |
| | Display circularly value | Gold Karat(gold-copper-silver, gold-silver, gold-copper) switches Gold purity%(gold-copper-silver, gold-silver, gold-copper) switches |
| | Range of karat value | It can set the gold karat's high limit and low limit, such as 5K~24K, 6K~24K |
| Mix density | Setting of proportion parameter | 7:3 |
| | Function | The mixture proportion function of two mixtures |
| | Display Value | The proportion value, density of main metals |
| | Proportion value | Can input the different proportion value, such as 24, 100 |
| | Setting of high limit and low limit | It shows "Hi" when the value is > upper limit, shows "Lo" when < lower limit |
| | Setting | Can set the density of different mixtures |
| Interface | RS-232 | |
| Standard accessories | Sensor, Thermometer, Tweezers, Calibration weight, AC adapter, Instruction manual | |
| Optional equipments | 1. Printer  | 2. Anti-corrosion water tank  |



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