



GOLD PURITY DENSITY TESTER TTD-1200K

Gold Purity Density Tester TTD-1200K designed specifically for precious metals, such as large gold bars weighing over 1kg.

Machines with a capacity of 1200g, featuring four different programs to measure a variety of precious metals.

Maximum Weight Capacity: 1200g

Purity Accuracy: 100%

Density Meter, Density Tester, Densimeter, Specific Gravity Tester

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APPLICATIONS

Suitable for

Rubber, plastic, electric wire, hard alloy, new materials research lab.

Principle

Using the buoyancy method based on the Archimedean principle, the gold karat, density, and purity percentage can be determined quickly and accurately.

Mode

1. Gold Purity Mode – Measures the purity of gold.
2. Platinum Purity Mode – Measures the purity of platinum.
3. Alloy Purity and Density Mode 1 – Measures the purity of other precious metals.
4. Alloy Purity and Density Mode 2 – Measures the purity of other precious metals.

FEATURES

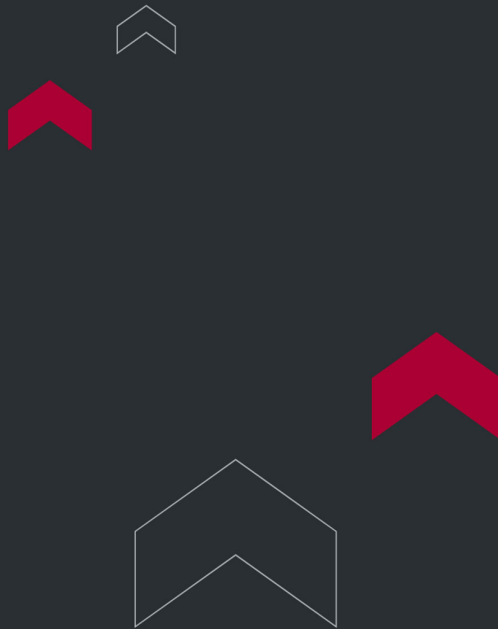
- Gold Purity Density Tester TTD-1200K equipped with RS-232 and USB interfaces.
- Infrared temperature sensors automatically detect and compensate for water temperature.
- Quickly and accurately determines the purity percentage of precious metals and gold karat number in just two steps.
- Leaves no contamination after measurement, eliminating the need for sulfuric acid solutions or standard test samples.
- Special software directly displays gold karat number and purity percentage (including gold-copper-silver, gold-silver, and gold-copper alloys).
- Features a setting function for the lower limit of karat values, allowing the karat number to be set freely from 1K to 24K.
- Includes a setting function for the lower limit of PT values, with adjustable PT values from 1 to 1000.
- Capable of measuring the purity of other precious metals, such as platinum, silver, palladium, copper, and rhodium.
- Cannot test samples with gemstones or hollow parts. Can also be used as a general balance.

- Gold Purity Density Tester TTD-1200K designed with a large tank to reduce errors caused by the buoyancy of the hanging rail. The water tank dimensions are 174 × 109 × 92 mm.

TECHNICAL SPECIFICATIONS

Model		TTD-1200K
Max Weight		1200g
Weighing Precision		0.01g
Density Precision		0.001g/cm ³
Gold Mode	Karat	1K and 0.1K display (switchable)
	Purity	1% and 0.1% display (switchable)
PT Mode	PT	25PT and 1PT display (switchable)
	Purity	1% and 0.1% display (switchable)
Alloy Mode		1% and 0.1% display (switchable)

Density Meter, Density Tester, Densimeter, Specific Gravity Tester



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