



GOLD PURITY DENSITY TESTER TTD-SLK

Gold Purity Density Tester TTD-SLK series tailored for precious metals, large size samples (length, width, and height 290*255*160mm)

Maximum weight: 2000g / 3000g / 6000g

Weighing precision: 0.01g / 0.01g / 0.1g

Purity precision: 100% or 100.0%

Density Meter, Density Tester, Densimeter, Specific Gravity Tester

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APPLICATIONS

Suitable for

The jewelry industry, Bank, Pawn industry, Gold, and Precious Metal research lab.

Principle

The buoyancy method, based on the Archimedean principle, quickly and accurately determines gold karat, density, and purity.

Mode

1. Gold Purity measuring mode: measuring gold purity.
2. Platinum purity measuring mode: measuring platinum purity.
3. Alloy purity and density measuring mode 1: measuring the other precious metal purity.
4. Alloy purity and density measuring mode 2: measuring the other precious metal purity.

FEATURES

- Equipped with RS-232 and USB interfaces for seamless connectivity.
- Infrared temperature sensors automatically detect and compensate for water temperature changes.
- Enables quick and precise determination of precious metal purity (%) and gold K number in just two steps.
- Leaves no contamination, eliminating the need for sulfuric acid solutions or test standard samples.
- Specially designed software displays gold Karat numbers and purity percentages, including gold-copper-silver variations.
- Features customizable Karat value settings, adjustable from 1K to 24K.
- Allows PT value customization, adjustable from 1 to 1000.
- Includes an alloy purity measurement function for testing metals such as platinum, silver, palladium, copper, and rhodium.
- Not suitable for testing samples with gems or hollow structures; can also function as a general balance.
- Large water tank design (290 × 255 × 160mm) minimizes errors caused by hanging rail buoyancy.

TECHNICAL SPECIFICATIONS

Model		TTD-SLK2000	TTD-SLK3000	TTD-SLK6000
Max Weight		2000g	3000g	6000g
Weighing Precision		0.01g		0.1g
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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