



GOLD PURITY DENSITY TESTER TTD-153K

Gold Purity Density Tester TTD-153K designed especially for precious metals, suitable for general-size samples (dimensions: 148 x 100 x 85 mm).

- **Maximum Weight Capacity:** 300g / 600g
- **Purity Accuracy:** 100%

Density Meter, Density Tester, Densimeter, Specific Gravity Tester

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APPLICATIONS

Suitable for

Suitable for the jewelry industry, banks, pawn shops, and gold and precious metal research labs.

Principle

Using the buoyancy method based on Archimedes' principle, gold karat, density, and purity percentage can be displayed quickly and accurately.

Mode

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

FEATURES

- Gold Purity Density Tester TTD-153K equipped with RS-232 and USB interfaces.
- Infrared temperature sensors automatically detect and compensate for water temperature.
- Quickly and accurately determines precious metal purity percentage and gold karat number in just two measurement 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-153K designed with a large tank to reduce errors caused by the buoyancy of the hanging rail. The water tank dimensions are 148 × 100 × 85 mm.

TECHNICAL SPECIFICATIONS

Model		TTD-153K
Max Weight		150g
Weighing Precision		0.001g
Density Precision		0.0001g/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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