

TOUCH TYPE - TWS-300K/600K DENSITY TESTER FOR PRECIOUS METAL



Suitable for:

Jewelry industry , Bank , Pawn industry , Gold and Precious Metal research lab.

Principle:

According to the buoyancy method of Archimedean principle, gold karat, density and purity % can be showed rapidly and accurately.

Mode:

It has Four functions :

1. Gold purity measuring mode--measuring gold purity.
2. Platinum purity measuring mode--measuring platinum purity.
3. Alloy purity and density measuring mode1--measuring the other precious metal purity.
4. Alloy purity and density measuring mode2--measuring the other precious metal purity.

Specification:

Model		TWS-300K	TWS-600K
Max weight		300g	600g
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)	



TWS-300K/600K

Features :

1. With Infrared temperature sensors can automatically detect water temperature and automatically compensate for water temperature.
2. Special software design can directly display gold Karat number and purity% (including gold copper silver, gold silver, gold copper).
3. No trace or contamination will be left after the measurement, no need to use sulfuric acid solution or test standard samples.
4. With alloy purity measurement function, can test other precious metals. For example: platinum, silver, palladium, copper, rhodium ... etc.
5. Cannot test the samples with gems and hollows. Can be used as a general balance.
6. The large tank design is adopted to reduce the error caused by the buoyancy of the hanging rail. The size of the water tank is 148 × 100 × 85mm.

Analysis Chart :

Highlights Analysis Chart

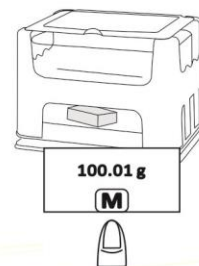
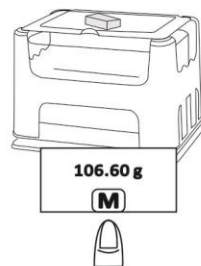


Testing step:

Step 1: Testing air weight

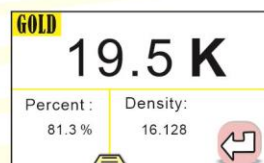


Step 2 : Testing water weight

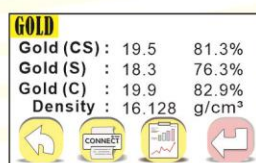


Step 3 :
Get the result

Gold purity measuring mode



More Detail



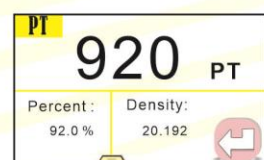
Gold (CS): Karat and purity of gold & silver & copper alloy.

Gold (S) : Karat and purity of gold & silver alloy.

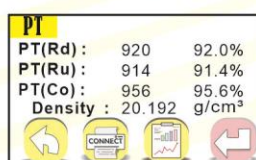
Gold (C) : Karat and purity of gold & copper alloy.

Density : Density value.

Platinum purity measuring mode



More Detail



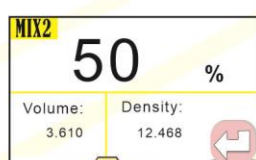
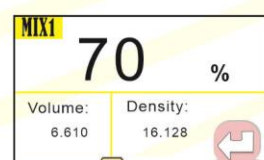
PT (Pd) : Karat and purity of platinum & palladium alloy.

PT (Pu) : Karat and purity of platinum & ruthenium alloy.

PT (Co) : Karat and purity of platinum & cobalt alloy.

Density : Density value.

Alloy purity and density measuring mode



Density : Density value.

Volume : Volume value.

Purity : Purity of alloy.