

# TOUCH TYPE - TWS-1500/2000/3000/6000K DENSITY TESTER FOR BIG SIZE 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.
2. Platinum purity measuring mode.
3. Alloy purity and density measuring mode1.
4. Alloy purity and density measuring mode2.



## Specification:

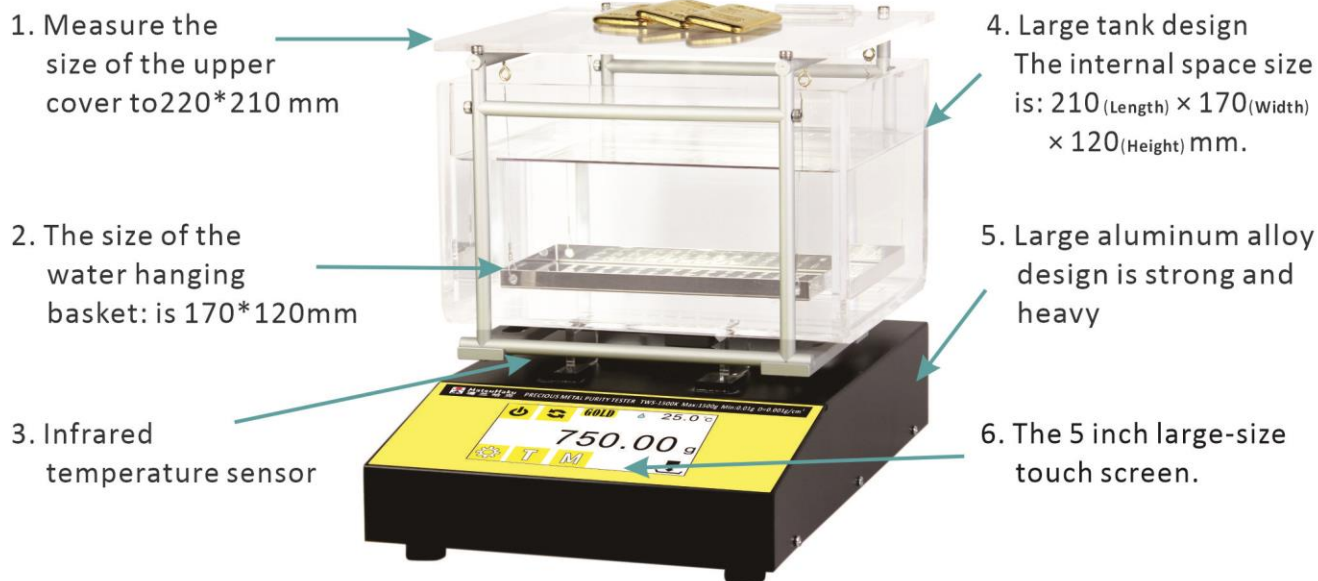
Model		TWS-1500K	TWS-2000K	TWS-3000K	TWS-6000K
Max weight		1500g	2000g	3000g	6000g
Weighing Precision		0.01g			0.1g
Density Precision		0.001g/cm <sup>3</sup>			
Gold Mode	Karat	1K and 0.1K display (switchable)			
	Purity	1% and 0.1% display (switchable)			
PT Mode	PT	25PT and 1PT display (switchable)			
	Purity	1% and 0.1% display (switchable)			
Alloy Mode		1% and 0.1% display (switchable)			

## 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 210 × 170 × 120 mm.

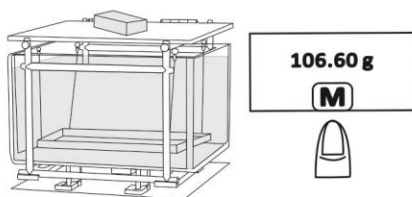
## Analysis Chart :

## Highlights Analysis Chart

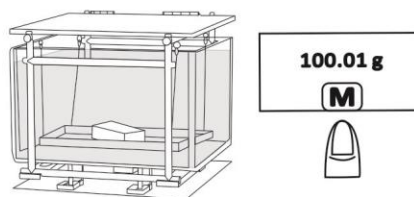


## Testing step:

### Step 1: Testing air weight

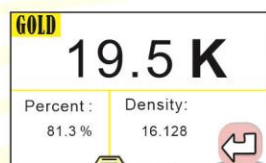


### Step 2 : Testing water weight

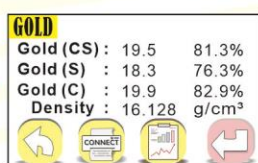


### Step 3 : Get the result

#### Gold purity measuring mode



More Detail



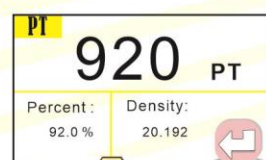
Gold (CS): Karat and purity of gold & silver & copper alloy.

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

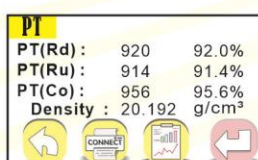
Gold (C) : Karat and purity of gold & copper alloy.

Density : Density value.

#### Platinum purity measuring mode



More Detail



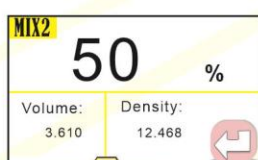
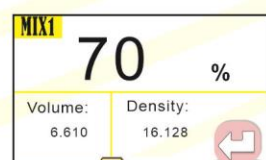
PT (Pd) : Karat and purity of platinum & palladium alloy.

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.