TOUCH TYPE - TWS-153/300/600/1200E SOLID DENSITY TESTER

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Made In Taiwan

Suitable for:

Laboratory of solder, brass, bronze, silver, nickel, zinc, plastic, rubber, wire and cable, glass, film, hard alloy, soft synthetic leather, leather, elastic material, oil seal, oil ring, new materials and other recycling industries.

Principle:

Referring to the standards of **ASTM D297, D792, JIS K6530, ISO2781, 1183** and by applying the buoyancy of the object immersed in the liquid and hydrostatics principle, the density, volume, mixture ratio of dense solid materials can be showed.

Function:

It has three modes:

1. Density measuring mode DS - measuring density and volume.

2. Mix ratio density measuring mode Mix1- it can get the proportion of the main material.

3. Mix ratio density measuring mode Mix2- it can get the proportion of the second material.

Style:

TWS-153E

TWS-300/600E

TWS-1200E

Specification:

Model	TWS-153E	TWS-300E	TWS-600E	TWS-1200E
Max weight	150g	300g	600g	1200g
Weighing Precision	0.001g	0.01g		
Density Precision	0.0001g/cm³	0.001g/cm³		
Volume Precision	0.001m³	0.001m³		
Mixing Ratio 1	0.01%			
Mixing Ratio 2	0.01%			

Testing step:

Step 1: Testing air weight	→	Step 2 : Testing water weight	→	Step 3 : Get the result

E.g. (Solid)

05		
Density:	1.204	g/cm^3
Volume:	3.620	cm^3
Mix 1:	71.36	%
Mix 2:	18.64	%

E.g. (Granular)

Accessories

05		
Density:	0.904	g/cm^3
Volume:	4.623	cm^3
Mix 1:	95.48	%
Mix 2:	4.52	%

E.g. (Floating)

Anti-uplift frame

05		
Density:	0.918	g/cm^3
Volume:	1.142	cm^3
Mix 1:	90.37	%
Mix 2:	9.63	%

Features:

1. It can measure the specific gravity of solid, granular and floating bodies.

2. With the function of solution compensation.

3. With Infrared temperature sensors can automatically detect water temperature and automatically compensate for water temperature.

4. With the RS-232C / USB computer interface, it can be easily connected to a PC and printer.

5. With the latest touch screen, simple operation and immediately display all measurement data.

6. With the function of mixing ratio, measure the ratio of the main materials in the two mixed materials. For example: Use the setting of the mixing ratio to calculate the glass fiber content.

7. With upper and lower limit functions, you can determine whether the specific gravity of the test object is qualified or not. This machine is equipped with a buzzer device.

8. 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 x 100 x 85mm.