

Solid Density Tester

Matsuhaku Density

TWS-153E



Functions :

- Density measuring mode DS - measuring density and volume.
- Mix ratio density measuring mode Mix1- it can get the proportion of the main material.
- Mix ratio density measuring mode Mix2- it can get the proportion of the second material.

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.

Features :

TWS-153E

Feature of product

Specially for rubber solid materials, general size samples (length, width, and height 148*100*85mm)

Maximum weight: 150g

Density precision: 0.0001g/cm³

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.

Density Measuring Mode Result

DS	Density: 1.2043	g/cm ³
	Volume: 3.6203	cm ³
	Mix 1: 71.36	%
	Mix 2: 18.64	%

* Optional Accessories :
Steel Angle



* Optional Accessories :
TWS-168 Printer



* Optional Accessories :
Granule Measuring Tool



Specification

MODEL	TWS-153E
Max Weight :	150g
Weighing Precision :	0.001g
Density Precision :	0.0001g/cm ³
Volume Precision :	0.0001g/cm ³
Mixing Ratio 1 :	0.01%
Mixing Ratio 2 :	0.01%



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Solid Density Tester

Matsuhaku Density

TWS-214E



Functions :

Specially for film solid materials, suit small & light size samples
(length, width, and height 148*100*85mm)

Maximum weight: 210g

Density precision: 0.0001g/cm³

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.

Features :

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.

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.

* Optional Accessories :
TWS-168 Printer



Specification

MODEL	TWS-214E
Max Weight :	210g
Weighing Precision :	0.0001g
Density Precision :	0.0001g/cm ³
Volume Precision :	0.0001g/cm ³
Mixing Ratio 1 :	0.01%
Mixing Ratio 2 :	0.01%

* Optional Accessories :
Granule Measuring Tool



* Optional Accessories :
Steel Angle



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Solid Density Tester

Matsuhaku Density

TWS-300E/600E



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.

Features :

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.

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.

Specification

MODEL	TWS-300E	TWS-600E
Max Weight :	300g	600g
Weighing Precision :	0.01g	
Density Precision :	0.001g/cm ³	
Volume Precision :	0.001g/cm ³	
Mixing Ratio 1 :	0.01%	
Mixing Ratio 2 :	0.01%	

* Optional Accessories :
TWS-168 Printer



* Optional Accessories :
Granule Measuring Tool



* Optional Accessories :
Steel Angle



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Solid Density Tester

Matsuhaku Density

TWS-1200E



Suitable for :

Specially for film solid materials, suit more than 1kg samples
(length, width, and height 148*100*85mm)

Maximum weight: 1200g

Density precision: 0.001g/cm³

Features :

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.

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.

Specification

MODEL	TWS-1200E
Max Weight :	1200g
Weighing Precision :	0.01g
Density Precision :	0.001g/cm ³
Volume Precision :	0.001g/cm ³
Mixing Ratio 1 :	0.01%
Mixing Ratio 2 :	0.01%

* Optional Accessories :
TWS-168 Printer



* Optional Accessories :
Granule Measuring Tool



* Optional Accessories :
Steel Angle



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Solid Density Tester

Matsuhaku Density

TWS-Large Size E

Suitable for :

Specially for film solid materials, suit more than 1kg samples

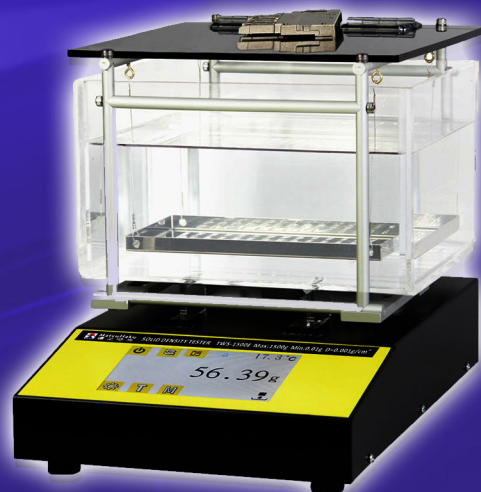
(length, width, and height 148*100*85mm)

Maximum weight: 1200g

Density precision: 0.001g/cm³

Features :

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.



* Optional Accessories :
TWS-168 Printer



* Optional Accessories :
Granule Measuring Tool



* Optional Accessories :
Steel Angle



Specification

MODEL	TWS-1500E	TWS-2000E	TWS-3000E	TWS-6000E
Max Weight :	1500g	2000g	3000g	6000g
Weighing Precision:	0.01g		0.02g	0.1g
Density Precision :	0.001g/cm ³			
Volume Precision :	0.001g/cm ³			
Mixing Ratio 1 :	0.01%			
Mixing Ratio 2 :	0.01%			



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Suitable for :

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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.

TWS-Large Size EL



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 210× 170 × 120mm.

Specification

MODEL	TWS-1500E	TWS-2000E	TWS-3000E	TWS-6000E
Max Weight :	1500g	2000g	3000g	6000g
Weighing Precision:	0.01g		0.02g	0.1g
Density Precision :	0.001g/cm3			
Volume Precision :	0.001g/cm3			



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