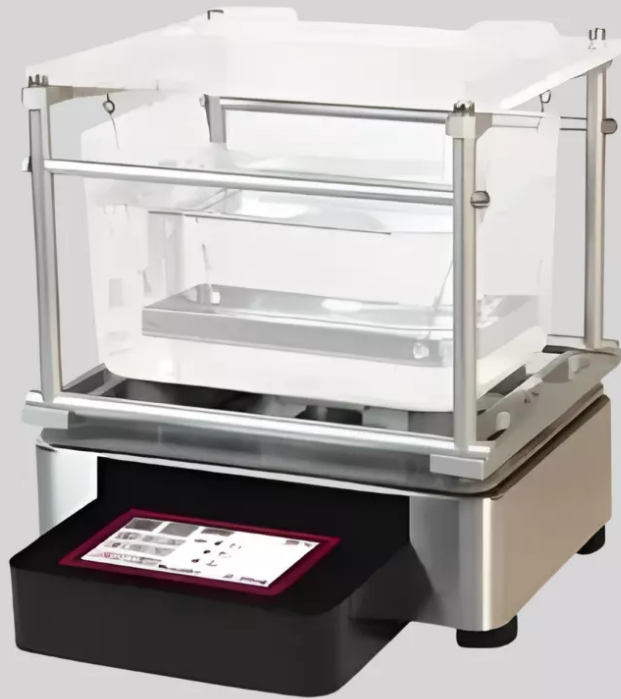




RUBBER, PLASTICS AND ELASTIC MATERIALS DENSITY TESTER TTD-1200PY

Rubber, Plastics and Elastic Materials Density Tester TTD-1200PY is a precision instrument designed for measuring density and porosity in rubber, plastics, and elastic materials. With a maximum weight capacity of 1200g, it offers a weighing precision of 0.01g and a density precision of 0.001g/cm³.

Density Meter, Density Tester, Densimeter, Specific Gravity Tester

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Maximum Weight Capacity: 1200g

Weighing Precision: 0.01g

Density Precision: 0.001g/cm³

- According to ASTM C20, C128, C127, C134, C135, C437, C357, AASHTOT 84 standard.
- The machine is equipped with 4 functions.
- Show Bulk density, Wet density, Apparent porosity density, Oil-content, and Volume directly.

APPLICATIONS

Suitable for

Powder metallurgy industry, Downstream electrical tools of powder metallurgy, Pneumatic tools, Sewing machine, Sports equipment, Computer fan, General fan, Auto parts, Hand tools, New materials research lab....etc.

Principle

According to ASTM C20, C128, C127, C134, C135, C437, C357, AASHTOT 84 standard, applying the Archimedes principle buoyancy method. Using the boiling water method, immersion method, vacuum saturated waterproof treatment. It can direct show bulk density and porosity data.

Mode

1. BULK : Adopting the water saturation method for a porous material.
2. BK+ : Adopting water saturation method for porous absorbent material. With five groups of memory functions.
3. Powder : For powder products, use a pycnometer (optional) to directly read the true density of the powder.
4. DS : Nonabsorbent material.

FEATURES

- The infrared temperature sensor automatically detects water temperature and performs compensation accordingly.
- Rubber, Plastics and Elastic Materials Density Tester TTD-1200PY features automatic, manual, and solution temperature compensation functions.
- Provides direct readings of body bulk density, wet density, porosity, absorption, apparent density, open pores, close porosity, and total porosity.
- Includes five groups of memory functions capable of simultaneously measuring five sample groups in absorbent product density measurement mode.
- Displays values for the development research of new materials, with HI and LO limit functions and a buzzer to determine the qualification of the test object's specific gravity in non-absorbent product density measurement mode. Additionally, it offers a function for two groups mixing ratio.

- Offers the option to purchase a pycnometer for direct measurement of powder true density.
- Rubber, Plastics and Elastic Materials Density Tester TTD-1200PY equipped with RS-232 & USB Interface.
- Utilizes a large-size water tank design to minimize errors caused by buoyancy of the suspension rail.
- The water tank size is 148 × 100 × 85mm.

TECHNICAL SPECIFICATIONS

Model		TTD-1200PY	
Max weight		1200g	
Weighting precision		0.01g	
Density precision		0.001 g/cm ³	
Wet density		0.001 g/cm ³	
Porosity		0.01 %	
Volume precision :		0.01 %	
Mix ratio :		0.01 %	
Mode	Bulk density :	Porous material : Show Bulk density, Wet density, Apparent porosity density, Volume	
	Bulk density (Five groups of memory functions)	Porous absorbent material : Show Bulk density, Wet density, Apparent porosity density, Volume	
	Oil-content sample :	Show Oil-content directly	
	Nonabsorbent material	Show Density, Volume, Mix ratio directly	



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