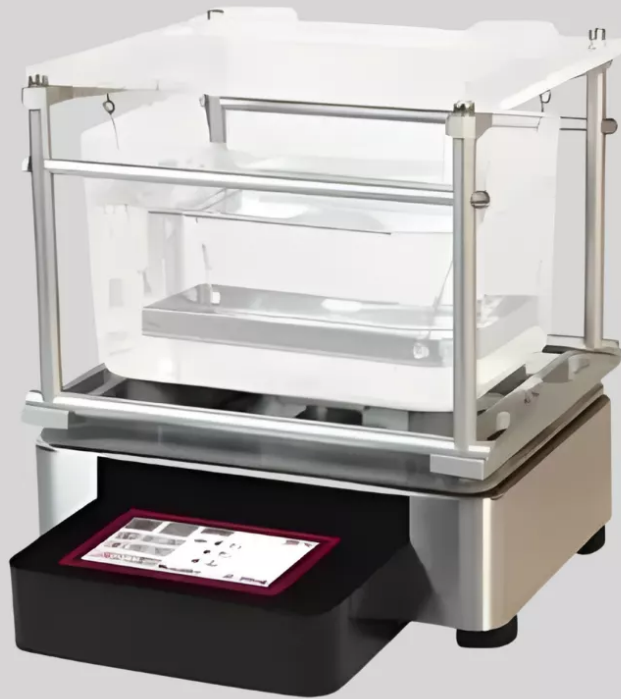




POWDER METALLURGY DENSITY TESTER TTD- 1200PM

Powder Metallurgy Density Tester TTD-1200PM, designed for precise density measurements in powder metallurgy with a maximum weight capacity of 1200g and a density precision of 0.001g/cm³.

Maximum weight capacity: 1200g

Density precision: 0.001g/cm³

Conforming to ASTM B962, B311, B328, MPIF STM 42, STM 57, and ISO 2738:1999 standards, this machine features four functions. It directly displays bulk density, wet density, apparent porosity density, oil content, and volume.

Density Meter, Density Tester, Densimeter, Specific Gravity Tester

APPLICATIONS

Suitable for

Powder metallurgy industry, downstream electrical tools related to powder metallurgy, pneumatic tools, sewing machines, sports equipment, computer fans, general fans, auto parts, hand tools, new materials research lab, and more.

Principle

In compliance with ASTM B962, B311, B328, MPIF STM 42, STM 57, and ISO 2738:1999 standards, this device utilizes the Archimedes principle buoyancy method. It uses the boiling water method, immersion method, and vacuum-saturated waterproof treatment. Consequently, it can directly display bulk density and porosity data.

FEATURES

- The infrared temperature sensor automatically detects water temperature and compensates accordingly.
- Powder Metallurgy Density Tester TTD-1200PM offers automatic temperature compensation, manual temperature compensation, and solution compensation functions.
- In absorbent product density measurement mode, it directly reads body density, apparent porosity, wet density, and volume.
- The built-in memory function can store measurements for five groups of samples simultaneously in absorbent product density measurement mode.
- It directly displays values for the development of new materials. With high and low limit functions and a buzzer, the device determines if the specific gravity of the test object meets the criteria in non-absorbent product density measurement mode. It also includes a two-group mixing ratio function.
- The built-in oil content measurement mode allows direct reading of the product's oil content.
- Powder Metallurgy Density Tester TTD-1200PM equipped with RS-232 and USB interfaces.
- A large-size water tank design is used to reduce errors caused by the buoyancy of the suspension rail. The water tank measures 148 x 100 x 85mm.

TECHNICAL SPECIFICATIONS

Model	TTD-1200PM	
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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