



POWDER METALLURGY DENSITY TESTER TTD- 300PM/600PM

Powder Metallurgy Density Tester TTD-300PM/600PM, designed for accurate and efficient density measurements in powder metallurgy. Available in models with maximum weight capacities of 300g and 600g, this tester offers a density precision of 0.001g/cm³.

Max weight: 300g / 600g

Density precision: 0.001g/cm³

- According to ASTM B962, B311, B328, MPIF STM 42, STM 57, ISO 2738:1999 standard.
- The machine is equipped with 4 functions.
- Show Bulk density, Wet density, Apparent porosity density, oil content, and Volume directly.

Density Meter, Density Tester, Densimeter, Specific Gravity Tester

APPLICATIONS

Suitable for

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

Principle

According to ASTM B962, B311, B328, MPIF STM 42, STM 57, ISO 2738:1999 standard, applying the Archimedes principle buoyancy method. Using the boiling water method, immersion method, vacuum saturated waterproof treatment. It can directly show bulk density and porosity data.

FEATURES

- The infrared temperature sensor automatically detects water temperature and compensates accordingly.
- Powder Metallurgy Density Tester TTD-300PM/600PM features automatic, manual, and solution temperature compensation functions.
- In absorbent product density measurement mode, it provides direct readings of body density, apparent porosity, wet density, and volume.
- Five memory groups enable simultaneous measurement of five samples in absorbent product density measurement mode.
- It directly displays values for new material research, with high and low limit functions and a buzzer to determine qualification in non-absorbent product density measurement mode. It also offers two-group mixing ratio functionality.
- The built-in oil content measurement mode allows direct reading of product oil content.
- Powder Metallurgy Density Tester TTD-300PM/600PM equipped with RS-232 and USB interfaces.
- Its large water tank design reduces errors caused by suspension rail buoyancy, with dimensions of 148 x 100 x 85mm.

TECHNICAL SPECIFICATIONS

Model	TTD-300PM	TTD-600PM
Max weight	300g	600g
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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