

HY-100 Series Vibration Density Tester

Specificities

- ◆ The density of a powder is the mass per unit volume of the powder. The density of a powder is usually less than the true density of the corresponding substance due to the presence of voids (or pores) between or within the particles. Vibrational density is the density of a powder in a container that has been vibrated under specified conditions.
- ◆ HY-100(A-C) type powder density tester consists of adjustable speed motor, vibration components, microcomputer and micro printer and other components. It can set the amplitude and the number of vibration, and the vibration component rotates at a small angle during the vibration process to ensure the uniformity of the material, as well as automatically calculating and printing out the test results.



HY-100 A



HY-100 B



HY 100 C

Instrument Configuration

Model	HY-100 A	HY-100 B	HY -100 C
Densitometer vitality	HY-100	HY-100 B	HY-100 C
Vibration components	HY-100	HY-100 B	HY-100 C
Gaskets	Organosilicon	Organosilicon	Organosilicon
Volumetric cylinder	25ml/50ml/100ml/250ml	25ml/50ml/100ml	25ml/50ml/100ml
Vibration damping (Stainless steels ϕ 12mm)	1mm/2mm/5mm	1mm/2mm/5mm	1mm/2mm/5mm
Power line	250V 10A	250V 10A	250V 10A
Fuse wire	5*20mm.1A	5*20mm.1A	5*20mm.1A
Test tube brush	/	/	/
Silicone mat	Φ 70mm*2mm	Φ 70mm*2mm	Φ 70mm*2mm

Technical Specification

Model	HY-100 A	HY-100 B	HY-100 C
Specimen weight	$\leq 500.00\text{g}$		
Specimen volume	$\leq 250.00\text{ml}$	$\leq 100.00\text{ml}$	$\leq 100.00\text{ml}$
Number of single vibrations	0-99999 times(When set to 0 times the result is output as 'Bulk density'.)		
Allowable motor torque	0.86 N.m		
vibration frequency	0-300rpm(continuously adjustable		
Amplitude of vibration	Maximum 15mm, Integer 1-15mm adjustable		
repeatability error	$\leq 1\%$		
Accuracy error	$\leq 1\%$		
Input Power	AC 220V (50Hz/60Hz), 40W		