

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.
- ◆ The HY-100 (A-C) powder density tester is a powder density tester independently developed and manufactured in accordance with the national standard GB/T 5162-2006/ISO3953:1993 (Determination of tap density of metal powders) and with reference to the United States Pharmacopoeia. It has independent intellectual property rights. The instrument covers all indicators in the national standard GB/T 5162-2006/ISO3953:1993.



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 500.00g	
Specimen volume	\leq 250.00ml	\leq 100.00ml	\leq 100.00ml
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		

HY-100A Standard Accessories:

	Name	Model and Specifications	Quantity
1	Densitometer Main Unit	HY-100A	1set
2	Vibration Assembly	HY-100A	1set
3	Gasket	Polyurethane	4pcs
4	Graduate Cylinder	25ml	1pcs
		50ml	1pcs
		100ml	2pcs
		250ml	1pcs
5	Vibration damping pad (stainless steel Φ 12mm)	Thickness 1mm	1pcs
		Thickness 2mm	2pcs
		Thickness 5mm	2pcs
6	Power cord	250V 10A	1pcs
7	Fuse	5 X20mm,1A	5pcs
8	Test tube brush	/	1set
9	Silicone pad	Φ 70mmX2mm	1set

HY-100B Standard Accessories:

	Name	Model and Specifications	Quantity
1	Densitometer Main Unit	HY-100B	1set
2	Vibration Assembly	HY-100B	2set
3	Gasket	Polyurethane	6pcs
4	Graduate Cylinder	25ml	2pcs
		50ml	2pcs
		100ml	2pcs
5	Vibration damping pad (stainless steel Φ 12mm)	Thickness 1mm	4pcs
		Thickness 2mm	4pcs
		Thickness 5mm	4pcs
6	Power cord	250V 10A	1pcs
7	Fuse	5 X20mm,1A	5pcs
8	Test tube brush	/	1set
9	Silicone pad	Φ 70mmX2mm	2set

HY-100C Standard Accessories:

	Name	Model and Specifications	Quantity
1	Densitometer Main Unit	HY-100C	1set
2	Vibration Assembly	HY-100C	3set
3	Gasket	Polyurethane	9pcs
4	Graduate Cylinder	25ml	3pcs
		50ml	3pcs
		100ml	3pcs
5	Vibration damping pad (stainless steel Φ 12mm)	Thickness 1mm	6pcs
		Thickness 2mm	6pcs
		Thickness 5mm	6pcs
6	Power cord	250V 10A	1pcs
7	Fuse	5 X20mm,1A	5pcs
8	Test tube brush	/	1set
9	Silicone pad	Φ 70mmX2mm	3set