

POWDER CHARACTERISTICS TESTER

[Powder Tester **PT-X**]

SUMMARY

Hosokawa Micron Powder Characteristics Tester uses the methods developed by R.L.Carr (Carr Indices) to determine the "Flowability & Floodability" of dry powders solids. The model PT-X is the latest design of the Hosokawa Micron Powder Tester which utilizing state of the art features to identify the characteristics of powdered samples for a wide range of application fields.

FEATURES

■ Complete Powder Characterization in one instrument

Contribution to improvement of production line and/or quality control to evaluate quantitatively of powdery feed or product

■ Automated Vibration with electrically controlled vib-sensor for repeatable results

■ Integrated HEPA filter-optional dust protection

■ Test Sieve Identification-measure by recording test sieve serial number

■ Reduced Operator intervention insuring analysis Accuracy and Repeatability

■ User friendly Software, reduces analysis time

■ Compiles with FDA Tapped Bulk

Density(USP), ASTM, Kawakita's equation for compressibility

■ Special Designed Feeder for reliable sample feeding(option)

■ Multi-language Functionality(option)

■ Compact Design-34% smaller in comparison to other models



Angle of repose



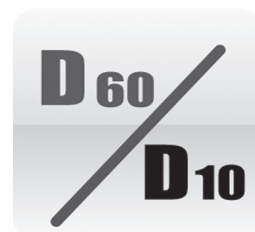
Angle of fall



Angle of difference



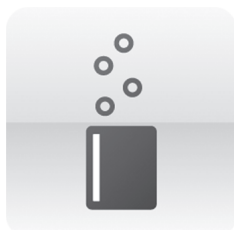
Cohesion



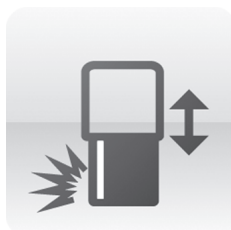
Uniformity



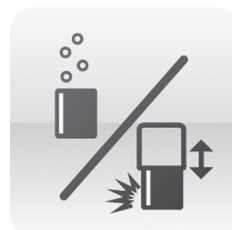
Angle of spatula



Aerated bulk density



Packed bulk density



Compressibility



Dispersibility

SPECIALITIES

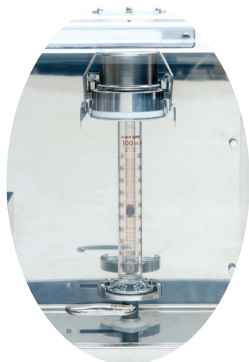
International Icon

High usability
supports measurement



Auto-measurement Tapped bulk density

USP ,ASTM ,Kawakita Tapped
density Could be automatically
measured (option)



Complies with ASTM standard

Shocker operation is automatised
& integral part of the unit

Integrated HEPA filter

Protection for dust exposure (option)

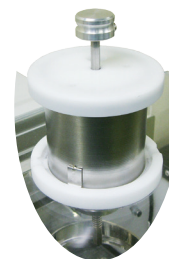
High Usability

Easy removal of Tapped
Density Cap, using two fingers



Specially designed feeder

Dust free operation (option)



Automated Vibration Control

Vibration is electrically controlled
with vib-sensor for repeatable result

Test Sieve Identification

Special Hosokawa designed Test Sieve drums. Simplify the
measurement by recording Sieve Serial number.
Particle size measurement OPTION using up to 5 or 7 Test
Sieves

SPECIFICATION

Model			PT-X
External dimension	W x D x H	(mm)	420 x 570 x 510
Weight		(kg)	ca. 70
Electric supply		(V)	100-125/220-240 (Single phase)
Weighing Balance			A&D (Std.), Others Optional
PC			Note book
Vibration	Frequency	(Hz)	50/60 (depends on power supply)
	Amplitude	(mm)	0.5-3 (0.3&0.4 are available as option)
Tapping	Number	(-)	Max. 9999
	Stroke	(mm)	18 (Std.) (3,10,14,20,30,40,3,10,14,20,30,40 by Option)



Process Technologies for Tomorrow

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