Tap Density Tester FM-TDM-A102



Description :

Tap density tester FM-TDM-A102 is a three test stations unit, measures three powder samples simultaneously. It's designed in accordance with USP 616 Tapped density Method II. Measures tapped density, flowability of powder to optimize size of the packaging container. Tapped density is calculated in gm/ ml by dividing the sample weight by the final tapped volume.

Specifications :

Work station	3
Sample volume	≤ 100 ml
Sample weight	≤ 500 g
Number of Tapping	0 to 99999 (set 0 to output bulk density)
Frequency	300 rpm (continuous adjustable in 0 to 300 rpm)
Amplitude	Maximum 15 mm (1 to 15 mm integer variable)
Stroke height	Stroke height 3 mm
Strokes/ min	250 strokes/ min
Display	LED display
Repeatability	≤ 1 %
Accuracy	≤ 1 %
Humidity	≤ 85 % RH
Motor torque	0.86 N. m
Power	40 W
Power supply	AC 220 V± 10 %, 50 Hz

Features :

- Test figure accuracy up to 4 decimal places
- Stores test data in shut down mode
- Highly advanced result interpretation
- Built-in printer to print test report
- Measures Hausner Ratio (TD/BD), Compressibility Index (TD-BD/TD × 100)
- No need to adjust an integer
- Automatically saves test result

Applications:

Used to test tapped density, simultaneously calculate bulk density, Hausner ratio across production, packaging, quality and research testing units in pharma, food, medicine, life science and other industries.

Complied Work Standards:

Sr. No.	Standards
1	ISO 3953: Metallic powder determination of tap density
2	USP 616 Tapped density Method II
3	ASTM B 527
4	DIN ISO EN 787/11
5	EP 2.9.15

Accessories:

Accessories no.	Name	Details	Qty.
1	Washer	Polyurethane	4 each
2	Glass measuring cup	25 ml	1 each
3	Glass measuring cup	50 ml	1 each
4	Glass measuring cup	100 ml	2 each
5	Glass measuring cup	250 ml	1 each
6	Damping washer	1 mm thickness	2 each
7	Damping washer	2 mm thickness	2 each
8	Damping washer	5 mm thickness	2 each
9	Power cable	250 V, 10 A	1 each
10	Fuse	5 × 20 mm, 1 A	5 each
11	Silicone gasket	70 × 2 mm	1 each
12	Tum brush		1 each

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