



TAP DENSITY TESTER

LTDT-A1 SERIES

TAP DENSITY TESTER LTDT-A1 SERIES

Tap Density Tester LTDT-A10

Tap Density Tester LTDT-A10 is 01 workstation benchtop unit, designed with cylinder volume of ≤ 250 ml, offers frequency ranges of 300 rpm. Outer surface is plastic coated, strong, resistant, non-corrosive, easy to clean, long working life. Features microprocessor controlled system, built-in micro printer, adjustable-speed motor and vibration assembly. For speed adjustment with range 250 rpm to 300 rpm, it uses speed control adjustment unit. Micro printers print test data such as sample number, volume, operator, weight, tap density and tap number

Tap Density Tester LTDT-A11

Tap Density Tester LTDT-A11 is 02 workstation benchtop unit, designed with cylinder volume of ≤ 250 ml, offers frequency ranges of 300 rpm. Outer surface is plastic coated, strong, resistant, non-corrosive, easy to clean, long working life. Features microprocessor controlled system, built-in micro printer, adjustable-speed motor and vibration assembly. For speed adjustment with range 250 rpm to 300 rpm, it uses speed control adjustment unit. Micro printers print test data such as sample number, volume, operator, weight, tap density and tap number.

Tapped Density Tester LTDT-A12

Tap Density Tester LTDT-A12 is 03 workstation benchtop unit, designed with cylinder volume of ≤ 250 ml, offers frequency ranges of 300 rpm. Outer surface is plastic coated, strong, resistant, non-corrosive, easy to clean, long working life. Features microprocessor controlled system, built-in micro printer, adjustable-speed motor and vibration assembly. For speed adjustment with range 250 rpm to 300 rpm, it uses speed control adjustment unit. Micro printers print test data such as sample number, volume, operator, weight, tap density and tap number.

FEATURES

- LED display for ease of monitoring
- Integrated with one test station unit (for LTDT-A10)
- Easy operation, compact structure design and stable
- Highly advanced result interpretation
- Easy to clean, anti-corrosive, resistant, long lasting
- Automatic savings of test results
- Integrated with micro printers to print test data
- Built in with rpm adjustment and drop height adjustment
- Integrated with two test station unit (for LTDT-A11)
- Integrated with three test station unit (for LTDT-A12)

APPLICATIONS

Tap Density Tester is widely used to calculate bulk density and test tapped density, Hausner ratio across production, quality, packaging and research testing units in food, pharmacy, medicines and other industries. It is used in life sciences including microbiology, molecular biology, cell biotechnology, immunology and cell.

SPECIFICATION

Model. No	LTDT-A10	LTDT-A11	LTDT-A12
Work Station	1	2	3
Sample Volume	≤ 250 ml	≤ 250 ml	≤ 100 ml
Sample Weight	≤ 500 g	≤ 500 g	≤ 500 g
Number of Tapping	0 to 99999	0 to 99999	0 to 99999
	(set 0 to output bulk density)	(set 0 to output bulk density)	(set 0 to output bulk density)
Frequency	300 rpm	300 rpm	300 rpm
	(continuous adjustable in 0 to 300 rpm)	(continuous adjustable in 0 to 300 rpm)	(continuous adjustable in 0 to 300 rpm)
Amplitude	Maximum 15 mm	Maximum 15 mm	Maximum 15 mm
	(1 to 15 mm integer variable)	(1 to 15 mm integer variable)	(1 to 15 mm integer variable)
Stroke Height	Stroke height 3 mm	Stroke height 3 mm	Stroke height 3 mm
Strokes / Min	250 strokes / min	250 strokes / min	250 strokes / min
Display	LED display	LED display	LED display
Repeatability	≤ 1 %	≤ 1 %	≤ 1 %
Accuracy	≤ 1 %	≤ 1 %	≤ 1 %
Humidity	≤ 85 % RH	≤ 85 % RH	≤ 85 % RH
Motor Torque	0.86 N. m	0.86 N. m	0.86 N. m
Power	40 W	40 W	40 W
Power Supply	AC 220 V ± 10 %, 50 Hz	AC 220 V ± 10 %, 50 Hz	AC 220 V ± 10 %, 50 Hz

STANDARD ACCESSORIES

Sr. No	Name of the Accessory	Details	Quantity
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