

**LABULK 0335 INTELLIGENT**  
**TAP DENSITY TESTER**  
**PRODUCT CATALOG 2021**



Upgraded from discontinued AS-100 Tap Density Tester

### **Standard Packing List**

- cylinder holder
- incl. glass cylinder 250 mL
- incl. glass cylinder 100 mL
- incl. cylinder pad
- incl. height rod
- incl. cylinder brush
- incl. fuse
- incl. power cable
- incl. tool
- incl. sample spoon

### **Working Principle**

Put bulk powder into graduated cylinder, measure the volume. Fix cylinder onto the tap assembly. A cam is driven by motor at standardized frequency and height, the cam drives bottom of tap assembly to make cylinder up and down. Powder inside reduces in volume according to its characteristics. Divide mass of sample by tap volume to calculate the tap density of powders

### **Applications & Industries**

- Automobile and aerospace
- Pharmaceutical
- Mineral and metal powders
- Food
- Chemicals
- Plastics and rubbers
- etc

## Overview

LABULK 0335 is an intelligent [tap density tester](#) used to measure the tap density of powders. It consists of touch panel, printer, electronic balance, tap assembly, motor and glass cylinders. LABULK 0335 is designed to meet all currently known international standards. The parameters are flexible to set in order to get standardized results as per users diversified requirements. In addition to auto measurement, auto print and auto calculation of tap density, LABULK 0335 can also automatically measure the flowability of this powder such as Hausner Ratio and Compressibility Index.

## Specifications

- Physical Property to measure: tap density, Hausner ratio, Compressibility Index
- Sample Loading Volume: 5-250 mL
- Timing range: 0-99999 sec
- Counting range: 0-999999
- Tap height: 3 or 14 mm
- Frequency: 250/300/custom
- Measurement: W33 x D 31 x H23 cm (Cylinder excepted)
- Power: 220V/110V/50/60Hz
- Weight: 16 Kgs NET

## Features

- New generation of operating system, control the operation by 7" LCD **touch panel**
- Automatic **communication check** between host and modules and host and accessories.
- Alternative **testing mode**, tap time or number freely set
- **Tap height** selection, being printed on the test report
- In addition to default **frequency**, user can freely set any rpm to meet special requirement
- In addition to SOP tap number, user can freely set any **tap number** to meet special requirement.
- During test all the set **parameters** are visible to understand and evaluate working conditions
- RS-232 connects host and balance, **weight data** automatically shown on LCD
- Simply a touch to **print** reports in very detail
- Flowability such as **Hausner ratio** or **Compressibility** are obtained during measure tap density
- 2 **login** status either Administrator or User, accessed by password, GMP compliance **NEW !**
- **Database** stores test results **NEW !**
- Only Administrator has right to change time or delete records, **GMP** compliance **NEW !**
- Stylus printer optional in order to print and keep test results permanently **NEW !**



## 1.1 Electric balance

Accurate and data transferable electric balance

No. TY-DZC

- Accurate down to 0.01 g
- Data transferred to micro processor by RS232 cable
- 600g

### Technical specification

Accuracy: 0.01 g

Communication: RS232

Digit: 8

Range: 600g

Dimensions: W23 x D17.2 x H6 cm

Weight: about 1030 g

Weight station size: thickness 7mm, Dia. 11.4cm

Voltage: DC 7.5V 450mA

- incl. 1x power cable
- incl. 1x balance hood



### 1.2 Acoustic cabinet

Reduce noise to person feel comfort

No. TY-GYZ

- Reduce noise effectively
- Light weight easy to move
- Small foot print

#### Technical specification

Function: Reduce noise to 40-60 dB

Material: Alloy & Plexiglas

Dimensions: W44 x D40 x H55 cm

Weight: 8 Kgs

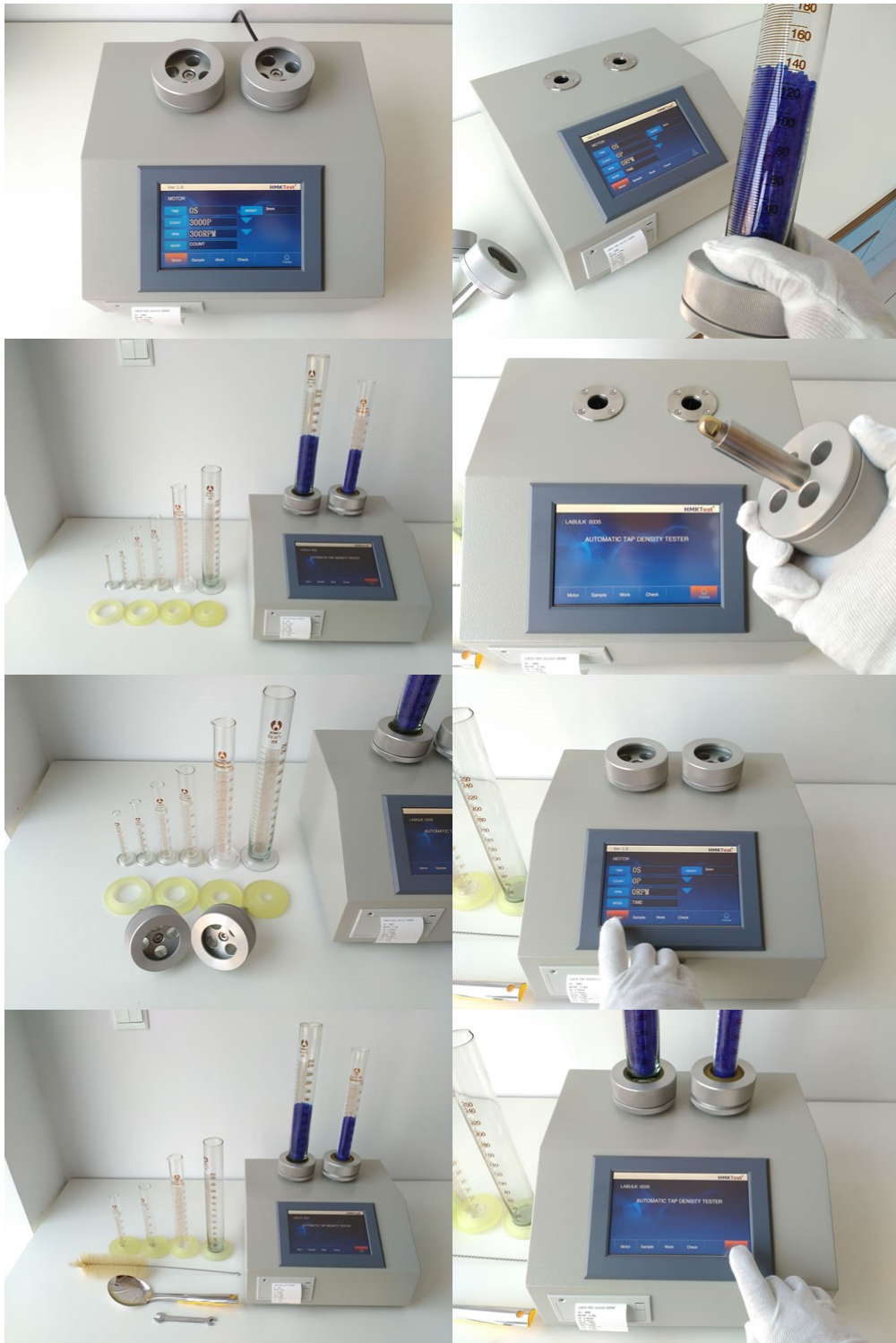


## 2. Reference User List

Company Name	Country	Qty.	Industries
SUPPLYGO FZC	Algeria	1	
Nutrition & Education International	Afghanistan	1	nutrition
ScienceTech Corporation	Bangladesh	1	
Pharmakho	Brunei Darussalam	1	pharmaceutical
Maple Lab Systems Inc.	Canada	1	
Carbon Drilling Products	Canada	1	carbon
Raymor Industries Inc.	Canada	1	carbon
Perfect Lithium Inc.	Canada	1	lithium
Importadora y Distribuidora Arquimed Ltda.	Chile	1	
SAFINA	Czech	1	Metal (precious)
Exova Toulouse	France	1	
Koniambo Nickel SAS	France	2	metal(nickel)
Medii Technology Ltd.	Hongkong	1	
Gimpex - S&B India Private Ltd	India	1	
Q-SpicIng	Indonesia	1	
Kulicke & Soffa, Bonding tools	Israel	1	semiconductor
BOART & WIRE S.R.L.	Italy	1	
Fraupharma	Italy	1	pharmaceutical
MATRIX FLAVOURS & FRAGRANCES SDN. BHD.	Malaysia	2	food(flavours and fragrances)
SUKHTIAN BROTHERS COMPANY- MS GROUP	Palestine	1	
Oman Foodstuff Factory LLC	Oman	1	
TECH-EJAZ Corporation.	Saudi Arabia	1	
LEE HUNG SCIENTIFIC PTE LTD	Singapore	1	
UNICHROGEN	South Korea	1	
TRW Automotive Espaa, S.L.	Spain	1	metal(automotive)
Compressor Tech Trading	UAE	1	
Nothing But Tea Limited	UK	1	
Cultech Limited UK	UK	2	food(supplements)
Teacraft Ltd	UK	1	food(tea)
Avon Metals Ltd.	UK	1	metal(hard alloy)
Intertek	UK	1	test lab
Concentrated Aloe Corporation	USA	1	
GE	USA	1	
Cat Testing Labs Inc.	USA	1	
Glanbia Nutritionals Ingredient Technologies	USA	1	
Acuitive Technologies	USA	1	
NIOSH	USA	1	
Bio-Botanica Inc.	USA	1	

WESTINGHOUSE ELECTRIC CO.	USA	1	
Urban Electric Power LLC	USA	1	
TURTLE & HUGHES INC.	USA	1	
Gentherm Incorporated	USA	1	
Industrial Distributors International Co.	USA	1	
Coulometrics	USA	1	
FlexEI, LLC	USA	1	
Continental Industries	USA	1	
The Bernd Group	USA	1	
Virginia Tech Foundation, Inc	USA	1	
Encell Technology, Inc.	USA	1	
Navitas ASG, LLC	USA	1	battery
Energy Power Systems, LLC	USA	1	battery
ActaCell Energy Systems, Inc	USA	1	battery
NanoResearch, Inc	USA	1	carbon
Cat Testing Labs Inc.	USA	1	catalyst
BioLab, A Chemtura Company	USA	1	chemical
Stryker Orthopaedics	USA	1	medical
Vanton Research Laboratory, LLC	USA	1	pharmaceutical
UL	USA	1	test lab
Roosevelt University	USA	1	university

### 3. Reference Pictures





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### **HMKTest**

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