



QAQC LAB INTELLIGENT

# 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 the bulk powder into the graduated cylinder, and measure the volume. Fix the cylinder onto the tap assembly. A cam is driven by the motor at a standardized frequency and height. The cam drives the bottom of the tap assembly to make the cylinder move up and down. The powder inside, reduces in volume relative to the characteristics of the sample. By dividing the mass of the sample by the tapped volume, it calculates the tapped density measurement.

### Applications & Industries

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

## Overview

The Tap Density Tester is used to measure the tap density of powders. It consists of touch panel, printer, electronic balance, tap assembly, motor and glass cylinders. It 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, it can also automatically measure the flowability of the powder by the 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 the 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 printed on the test report
- In addition to the default **frequency**, the user can freely set any rpm.
- In addition to SOP tap number, user can freely set any **tap number** to meet special requirements.
- During the test all of 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
- Flow measurements such as **Hausner ratio** or **Compressibility** are obtained during testing
- Login Status either Administrator or User, accessed by password, GMP compliance **NEW !**
- Only the administrator has right to change the time, or delete records, **GMP compliance NEW !**
- Stylus printer optional in order to print and keep test results permanently **NEW !**



### 1.2 Acoustic cabinet

Reduces noise to acceptable levels

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

