# TOUCH TYPE - TWS-153/300/600/1200PY POROUS PRODUCT SOLID DENSITY TESTER



#### Suitable for:

Elastic materials, sponges, EVA materials, EPDM plastics, and other water-absorbing materials

# Principle:

According to **ASTM D 3574, GB / T1033, T533** standard and by adopting the buoyancy method of Archimedean principle. It can accurately measure the bulk density of shoe materials, sponges and EVA materials.

## Function:

#### It has four modes:

- BULK Adopting water saturation method for porous material. Show Bulk density, Wet density, Porosity, Absorption, Apparent DS, Open pores, Close porosity, Total porosity.
- 2. BK+ Adopting water saturation method for porous absorbent material. With five groups of memory functions.
- 3. P For powder products, use a pycnometer (optional) to directly read the true density.
- 4. DS Nonabsorbent material. Show Density, Volume, Mix ratio directly.

## Style:



TWS-153PY



TWS-300/600PY



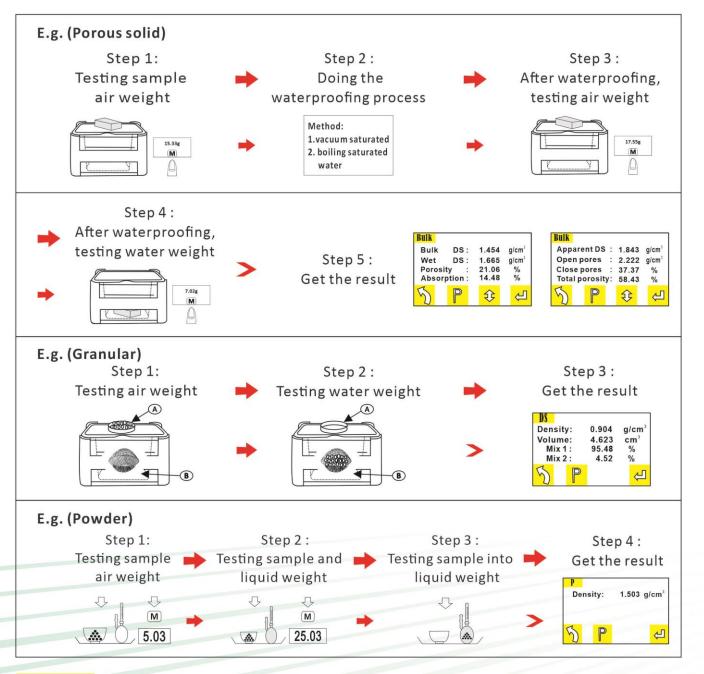
TWS-1200PY

# Specification:

Mode	TWS-153PY	TWS-300PY	TWS-600PY	TWS-1200PY
Max weight	150g	300g	600g	1200g
Weighing Precision	0.001g	0.01g		
Density Precision	0.0001g/cm <sup>3</sup>	0.001g/cm³		
Setting	With temperature compensation, solution compensation functions and Medium solution of waterproofing process density setting.			
emperature Function	With Infrared temperature sensors can automatically detect			

## Testing step:





#### Features:

- 1. With the latest touch screen, simple operation and immediately display all measurement data.
- 2. With the RS-232C / USB computer interface, it can be easily connected to a PC and printer.
- 3. Can purchase pycnometer to read the true density of powder directly.
- 4. Built-in five groups of memory functions can measure five groups of samples at the same time in absorbent product density measurement mode.
- 5. With the function of mixing ratio, measure the ratio of the main materials in the two mixed materials. For example: Use the setting of the mixing ratio to calculate the glass fiber content.
- 6. With upper and lower limit functions, you can determine whether the specific gravity of the test object is qualified or not. This machine is equipped with a buzzer device.
- 7. The large tank design is adopted to reduce the error caused by the buoyancy of the hanging rail.