

## Bottle Wall Thickness Gauge - Digital



### Product Info :

**Bottle Wall thickness gauge** is one of best instruments that can be used for testing of thickness of packaging containers such as PET and plastic bottles. The Wall Thickness Gauge can be used for testing the thickness of the containers that cannot be measured through conventional methods. In the PET industry, the quality of PET containers and bottles is very important as the quality of the bottles is wholly responsible for the quality and safety of the products. Bottle thickness gauge are essential tools for ensuring the quality and performance of bottles, especially in industries where consistent thickness is critical, such as in the production of glass bottles or plastic containers for beverages, pharmaceuticals, or chemicals.

This is why the manufacturers need to keep in mind every aspect of quality of the containers. One such aspect is the wall thickness of the PET bottles.

The strength of the bottles greatly depends on the wall thickness of the bottles. The manufactures need to make sure that the thickness of the bottles is optimum for best shape and strength. Any unevenness in the thickness of the walls can results into bad shape and low strength of the bottles which can pose a threat to the safety and the quality of the products that will be stored in those bottles. The **Bottle Wall Thickness Gauge** manufacturers and suppliers fabricate an impeccable testing instrument that can be used to measure and test the wall thickness of the PET bottle as normal measuring instruments such as Vernier calliper cannot measure the thickness of the walls of the bottles as the walls are uneven and the bottles do not have a regular shape. In most of the industries, where PET bottles are used for packaging of the products, the quality of the bottles is a very important aspect that ensures the safety of the products inside them.

## Technical Data :-

- Range : 0 – 7mm
- Accuracy : +/-2%
- Low range resolution : 0.01mm or 0.001mm (below 1mm)
- Repeatability : Better than  $\pm (1 \mu\text{m} + 0.5 \% \text{ of reading})$
- Measuring Principle : Hall Effect Technology (Magnetic Probe)
- Logging rate : 1,2,5,10,20 readings per second (selectable)
- Data memory : Yes
- Calibration : Self-calibration with master cards along with equipment
- Weight : 300 grams
- Power : Rechargeable battery
- Interfaces : RS232 TTL + IrDA 1.0

### Thickness Range and Accuracy

#### Target Ball Thickness Range Calibrated Diameter (with standard probe) Accuracy

- (1.50 mm) (0.001-2.00 mm)  $\pm 2\%^*$
- (2.50 mm) (0.001-3.90 mm)  $\pm 2\%^*$
- (4.00 mm) (0.001-7.00 mm)  $\pm 2\%^*$

## Features : -

- Hardened Probe Tip.
- Precision Target Steel Balls.
- Statistics (Min, Max, Avg., Standard Deviation, Relative Standard deviation) of selected reading.
- Storage Capacity up to 1500 Readings.
- Reading can be stored with different Job Names, along with Date, Month, Time and Statistics of that Job.
- Old Reading can be displayed on the Screen or send to computer for Record and Data Analysis.

### Accessories:

- Rechargeable Battery and Charger (No need of removing battery for charging)
- RS232 cable to computer with RS232 9pin
- Serial to USB converter for computer with USB
- Set of target Balls 25 nos. each.
- Wooden protection Box.

## Our Valuable Customer



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