

## Bottle Wall Thickness Gauge

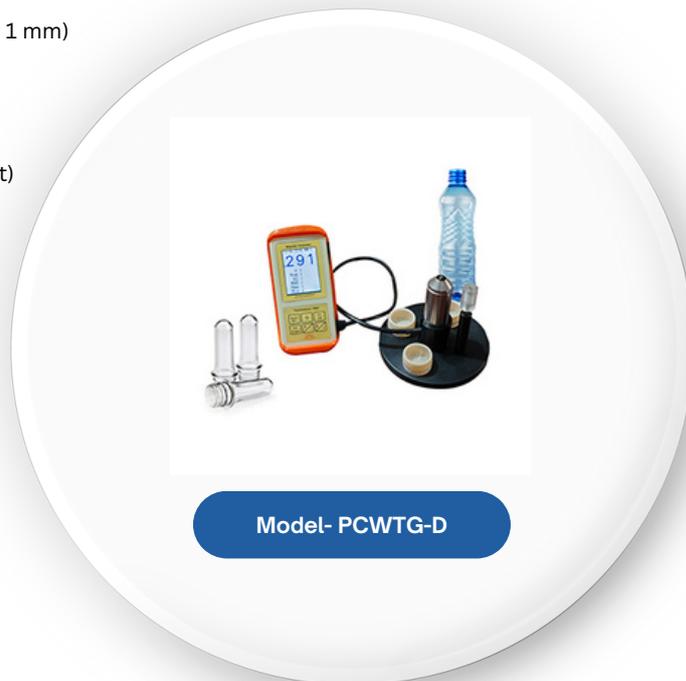
Bottle Wall thickness gauge is one of best instruments that can be used for testing of thickness of packaging containers such as PET and plastic bottles. The Wall Thickness Gauge can be used for testing the thickness of the containers that cannot be measured through conventional methods. In the PET industry, 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.

### Specification

- Measurement Range: 0 to 7 mm
- Accuracy:  $\pm 2\%$
- Low Range Resolution: 0.01 mm or 0.001 mm (for measurements below 1 mm)
- Repeatability: Better than  $\pm (1 \mu\text{m} + 0.5\%$  of the measured value)
- Measuring Principle: Hall Effect Technology (Magnetic Probe)
- Logging Rate: Selectable at 1, 2, 5, 10, or 20 readings per second
- Data Memory: Supported
- Calibration: Self-calibration with master cards (included with equipment)
- Weight: 300 grams (approx.)
- Power Supply: Rechargeable battery
- Interfaces: RS232 TTL and IrDA 1.0

### Thickness Range and Accuracy (with Standard Probe):

- **1.50 mm target ball:**  
Thickness range: 0.001 mm to 2.00 mm  
Accuracy:  $\pm 2\%*$
- **2.50 mm target ball:**  
Thickness range: 0.001 mm to 3.90 mm  
Accuracy:  $\pm 2\%*$
- **4.00 mm target ball:**  
Thickness range: 0.001 mm to 7.00 mm  
Accuracy:  $\pm 2\%*$



### Features

- Hardened Probe Tip for enhanced durability and longer service life.
- Precision Target Steel Balls provided for accurate measurement calibration.
- Statistical Analysis: Displays Min, Max, Average, Standard Deviation, and Relative Standard Deviation for selected readings.
- Storage Capacity: Up to 1,500 readings can be stored.
- Job Management: Readings can be saved under different job names, with date, month, time, and corresponding statistics for each job.
- Data Retrieval: Previously stored readings can be viewed on the device screen or transferred to a computer for record-keeping and data analysis.

### Accessories Included:

- Rechargeable battery with charger (no need to remove battery for charging)
- RS232 cable for computer connection (with 9-pin connector)
- Serial-to-USB converter for USB computer connection
- Set of 25 precision target balls (each size)
- Wooden protective carrying box

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