

# Intelligent tablet hardness tester

**AST-50E**



## Product Introduction

AST-50E Tablet Hardness Tester is a pharmaceutical analysis instrument designed for measuring four physical parameters of tablets: hardness, diameter, thickness, and weight. It is widely used in pharmaceutical factories, drug inspection institutes, and research institutions. This instrument fully complies with the requirements of the 2025 edition of the Chinese Pharmacopoeia.

## Main Features:

- **Control and Operation:** The instrument uses a microcontroller to manage the user interface, making it convenient and easy to operate.
- **Measurement Accuracy:** Equipped with high-precision pressure sensors to ensure accurate measurements.
- **Display:** Touch screen with options for Chinese or English interface.
- **Data Processing:** Automatically performs statistical analysis, printing, and display of measurement data.
- **Time Recording:** Features a real-time clock function that can print the date and time and other data on the report.

- Fault Diagnosis:Has a self-diagnosis function to automatically prompt for any abnormal phenomena during testing.
- Printing Function:Built-in thermal printer with the option to connect an external dot-matrix printer.
- Calibration:Simple and convenient calibration method.

## Technical Specifications

- Measurement Range
- Hardness:10-500 N,resolution 0.01 N,accuracy 0.1 N.
- Diameter:2-25 mm,resolution 0.01 mm,accuracy 0.1 mm.
- Thickness:0.5-15 mm,resolution 0.01 mm,accuracy 0.1 mm.
- Weight:1-20000 mg,resolution 1 mg,accuracy 20 mg.
- Units of Measurement
- Hardness:Options include N/Kg/Kpa.
- Diameter:Options include mm/inch.

- Measurement Mode: Manual single-piece or automatic continuous (up to 100 tablets).
- Display: 7-inch touch screen.
- Printing Interface: Standard Centronics serial print interface, supports Chinese or English output.
- Power Supply: 220V/50Hz.