

HST-GCBH50 Pipe Wall Thickness Tester



Picture just for reference

1. Product Description

It is mainly used to measure the wall thickness of plastic, glass fiber, metal composite and other pipes. The product is equipped with PC software, which can set the circumferential measurement points at will, automatically record and select the maximum and minimum wall thickness, and calculate the average thickness. The instrument is used to measure the wall thickness of various plastic pipes such as PE pipes, PB pipes, aluminum-plastic composite pipes, etc. at any part within the axial depth of 400mm. It is widely used in pipe manufacturers, colleges and universities, scientific research units and commodity inspection departments.

2. Implementation standards

GB/T 8806-2008 Plastic Pipe System Plastic Parts Dimension Determination

ISO3126:2005

3. Instrument features

3.1. High accuracy of measurement data

A high-precision micrometer is used to read the wall thickness data, and the measuring arm is balanced and locked to ensure the contact between the measuring tube and the sample is in the best state, ensuring the accuracy of the measurement data.

3.2. Convenient operation

The Shenglong transmission system composed of handwheel and high-precision guide rail can make the height adjustment of the measuring arm easy to adapt to the measurement of samples of different pipe

diameters. The sample is placed on the cylindrical slide rail. As long as the sample is simply moved left and right, it can easily test the different depths of the inner wall of the sample. The sample can be moved at will without affecting the machine.

3.3. Good safety

Equipped with a sophisticated micrometer probe lifting mechanism, the mechanism can be adjusted before measuring deep into the pipe to avoid the pipe colliding with the micrometer, making the instrument very safe.

3.4. Configure special test software

The software interface is beautiful, the human-computer interaction is good, the functionality is strong, and the operation is simple. It can measure different depths of the sample in two ways: time or angle, and automatically record and analyze the test data in the form of lines to obtain the maximum wall thickness, minimum wall thickness and average wall thickness data of the pipe. It has the functions of automatic storage, opening history records and report printing.

4. Technical parameters

- 1) Applicable sample diameter range: $\Phi 40\text{mm} \sim \Phi 630\text{mm}$;
- 2) Pipe wall thickness test range: $0 \sim 50\text{mm}$
- 3) Axial depth test range: $0 \sim 400\text{mm}$
- 4) Main unit size (length*width*height): $1450\text{mm} \times 550\text{mm} \times 1140\text{mm}$