

HST-PHT96B Plastic Ball Indentation Hardness Tester



Picture Just for Reference

Application scope

This instrument can be used to measure the hardness of materials in automotive engineering plastics, plastic building materials and other industries, and can process and print data. This machine adopts color touch screen technology to make the operation simpler, more intuitive and the picture more beautiful.

Standard:

Product manufacturing and inspection standards

1. JB/T7410-94 "Plastic Ball Indentation Hardness Tester Technical Conditions"
2. JJG 369-1993 "Plastic Ball Indentation Hardness Tester Verification Regulations"

Applicable test method standards

1. GB3398.1-2008 "Plastic Hardness Determination Part 1: Ball Indentation Method"
2. ISO2039-1: 2001 "Plastic Hardness Determination Part 1: Ball Indentation Method"

Main Specifications

1. The test load is divided into six levels: 9.8N (preload), 49N, 132N, 358N, 612N, 961N

2. Steel ball indenter: $\Phi 5\text{mm}$, $\Phi 10\text{mm}$
3. Minimum graduation value of indentation depth indication: 0.001mm
4. Maximum allowable height of specimen: 10mm
5. Distance from pressure head to machine wall: 55mm
6. Indication accuracy: $\pm 4\%$
7. Timing range: 10~90s, timing accuracy $\pm 0.1\text{s}$
8. Effective measurement range: 0.150~0.350mm
9. Frame deformation: $\leq 0.05\text{mm}$
10. Equipment weight: 45kg
11. Equipment dimensions (mm): 330*220*425

Configuration

Name	Remark	Qty
Host	HST-PHT96B	1 set
High precision sensor	LCD10KN	1
Deformation sensor	0-6.5mm	1
Pressure head	$\Phi 5\text{mm}$, $\Phi 10\text{mm}$	1 each
Base		1
micro printer	WH-E22	1 set
Deformation acquisition system		1 set
Loading control system		1 set
Data microprocessing system		1 set
Microcontroller software		1 set