



Features

- Big LCD display shows stable and accurate results
- Digital versatile hardness tester for Brinell, Rockwell, Vickers testing
- Conversion among different hardness scales
- Selection of dwell time and setting of time and date
- Storage and printing function
- RS232 interface for optional functions

TH725

DIGITAL UNIVERSAL
HARDNESS TESTER

Rockwell Hardness

Specifications of rockwell hardness				
Testing force(N)	Initial testing force	98.07(10kg)		Tolerance ±2.0%
	total testing force	588.4(60kg)		Tolerance ±1.0%
		980.7(100kg)		
		1471(150kg)		
Indenter	Diamond cone indenter			
	Φ1.5875mm ball indenter			
Scales	HRA	HRB	HRC	HRD
Max height of samples	175mm			

The technical specification of brinell hardness tester

Testing force	294.2N(30kg)		Tolerance ±1.0%
	306.5N(31.25kg)		
	612.9N(62.5kg)		
	980.7N(100kg)		
	1839N(187.5kg)		
Indenter	φ2.5mm、φ5mm Ball Indenter		
Scales	HBW1/30	HBW2.5/31.25	HBW2.5/62.5
	HBW5/62.5	HBW10/100	HBW2.5/187.5
Eyepiece magnification	15*		
Objective	2.5*(resolution 0.5μm)		
	5*(resolution 0.25μm)		
Max height of sample	For 2.5": max height is 95mm		
	For 5": max height is 115mm		

Vickers Hardness

Technical specifications of vickers hardness		
Test force	294.2N(30kg)	Tolerance ±1.0%
	980.7N(100kg)	
Indenter	Diamond vickers indenter	
Scale	HV30	HV100
Eyepiece magnification	15×	
Objective magnification	5*(Resolution 0.25μm)	
Max. height of specimen	115mm	

Technical Specification

The power source and the voltage	AC220V/110V, 50/60 Hz
Time-delayed control	0-60 seconds, adjustable
The distance from the Indenter center to the instrument body	165mm
Overall dimension (length×width×height)	551×260×800 mm
The net weight of the tester	80kg (Approx)

Accessories (Packing list)

Accessories kit of main body		
No.	Description of goods	Quantity
1	Diamond cone rockwell indenter	1pc
2	φ1.5875mm steel ball indenter	1pc
3	Large testing table	1pc
4	Medium testing table	1pc
5	"V" shaped testing table	1pc
6	0、 1、 2、 3、 4 weight	Total 5-pcs
7	Standard hardness block HRC (high, lower)	Total 2 pcs
8	Standard hardness block HRB	1 pc
9	Level bolt	4-pcs
10	spanner	1-pc
11	Power cable	1-pc
12	Instruction manual	1-copy
13	Quality certificate	1-copy
14	Plastic Anti-dust Bag	1-pc

Accessories kit of microscope			
No.	Description of goods		Quantity
1	Digital eyepiece		1pc
2	Seat of microscope	in harness	1pc
3	Outside light		1pc
4	Inside light		1pc
5	2.5× objective		1pc
6	5× objective		1pc
7	Slipped testing table		1pc
8	Diamond vickers indenter		1-pc
9	φ2.5mm, φ5mm ball indenter		2-pcs
10	Standard vickers hardness block(HV30)		1-pc
11	Standard brinell hardness block (HBW/2.5/187.5)		1-pc
12	Gradienter		1-pc
13	Fuse 2A		2-pcs