

Micro Hardness Hester TH712 (Built-in printer, Manual Turret)

Micro Hardness Hester TH713 with (Built-in printer, Auto- Turret)

Instrument Image:



Instrument Features:

- **Applied to** measure the hardness value of ferrous metals, non-ferrous metals, IC thin sections, coatings, ply-metals; Glass, ceramics, agate, precious stones, also can be tested about the depth and the trapezium of the carbonized layers and quench hardened layers.
- New high-tech product integrating mechanical and photoelectrical technologies
- Equipped with a digital microscope, direct display of the measuring method, test force, indentation length, hardness value, dwell time of test force
- Camera device can be connected via RS232 interface
- Especially suitable for testing the hardness of micro and thin specimen, fragile material.
- By means of a 10 × objective and a 40 × objective, the tester has wide measurement and high accuracy
- Optional Knoop indenter can be used to measure Knoop hardness value



Technical Specifications

Testing Forces	(0.098, 0.246, 0.49, 0.98, 1.96, 2.94, 4.90, 9.80) N (10, 25, 50, 100, 200, 300, 500, 1000) gf
Turret	Automatic (loading / dwell / unloading)
Magnification of the Microscope	100×, 400 ×
Dwell Time of the Test Force	(5-60)s
Min. Graduation Value of the Testing Drum Wheel	0.0625um
Testing range	1HV—2967HV
Dimension of the XY anvil	100 × 100 mm
Travel of the XY anvil	25 × 25mm
Max. height of the specimen	100 mm
Instrument throat	95mm
Light source	Halogen light source
Accuracy	Standard conforms to EN-ISO 6507
Power Supply	110V/220V,60/50Hz
Dimension & Net Weight	425 × 245 × 490 mm & 30Kg

Standard delivery:










Number	Description	Quantity
1	main unit	1
2	Weights	6
3	X-Y anvil with 25mm travel micrometer	1
4	Thin specimen fixture anvil	1
5	Fork-shaped fixture anvil	1
6	Fine wire fixture anvil	1
7	Screw drivers	2
8	Horizontal regulation screws	4
9	Weight level	1
10	Power cord	1
11	10 [×] numerical microscope	1
12	Vickers hardness blocks (high and medium value each)	2
13	Vickers indenter	1
14	Repair fuses (1A)	2
15	Company certificate	1
16	Warranty card	1
17	Halogen light source	

Optional accessories:

Knoop indenter
Mini-printer
(should be confirmed before order)
LCD measuring device
(including CCD adapter, Camera and Monitor)
Micro hardness testing software
Auto-turret
(should be confirmed before the order)

Accessories images:

<p>Weights</p>		<p>Fine wire fixture anvil</p>	
<p>Weight shaft</p>		<p>Screw drivers</p>	
<p>X-Y anvil with 25mm travel micrometer</p>		<p>Horizontal regulation screws</p>	
<p>Thin specimen fixture anvil</p>		<p>Level</p>	
<p>Fork-shaped fixture anvil</p>		<p>Power cord</p>	

Micro Vickers hardness blocks		Knoop test block	
Repair fuses (1A)		object lens	
RS232 cable		Vickers Indenter	
Knoop Indenter	 <p>努氏压头</p>	ALCD-1000 LCD measuring device (without main unit)	
Auto-turret		Built-in printer	