

国家标准



4.3 inch Touch screen, menu structure, easy operation

Advantage:

1. Adopted 4.3 inch touch screen, new advanced design for operation interface
2. With HV&HK scale & hardness conversion function
3. Digital eyepiece with encoder, D1, D2 data no need manual input to machine, easy operation
4. Turret with automatic checking and calibration function
5. USB interface, test result can be save to u-flash directly.
6. Menu structure interface, all data can display on screen
7. One-time cast aluminum shell, structure more stable.
8. Car painting technology, looking more decent and bright.
9. Reserved optical path for add CCD camera and connect with PC (optional function)

Application:

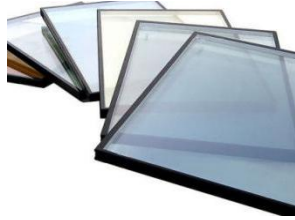
- 1) Widely used to test the hardness of all kinds of metal materials (steel, nonferrous metals, tinsel, cemented carbide, sheet metal, etc.)
- 2) surface layer / coating (Carburization, nitriding, decarburization layer, surface hardening layer, galvanized coating, etc.)
- 3) Glass, chip, ceramic, plastic and rubber, etc.



Metal material



Surface coating



Glass material



ceramic material



Plastic/ rubber

Specifications:

Model		DV-1AT-4.3
Hardness Scale		HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1
Conversion Scale		See next page photo
Test force	kgf	10, 25, 50, 100, 200, 300, 500, 1000
	N	0.098, 0.245, 0.49, 0.98, 1.96, 2.94, 4.9, 9.8
Operation	Focus	Manual focus
	Loading	Automatic loading - dwell - unloading test force
	Turret	Automatic turret (Objective - Indenter - Objective)
Magnification		10X Digital eyepiece; 10X, 40X Objective lens Total magnification: 100X (observation), 400X (measuring)
Indenter		Standard Micro Vickers diamond indenter $136^{\circ} \pm 0.5^{\circ}$
Dwell time		1-99s (unit: 1 second)
Data display		4.3 inch digital touch screen
Data storage		Yes, turn-off machine memory will automatic save
Data output		Built-in printer; U-flash (USB interface)
X-Y table		Size: 100x100mm; Max. Move range: 25x25mm
Light source		Halogen lamp (image more real and clear, light source strength is adjustable)
Test space		85x115mm (HxD)
Weight		Net weight: 52kg; Gross weight: 68kg
Size		Machine size: 490*185*515mm; Packing size: 625*420*900mm (LxWxH)

Delivery Packing List:

Name	Q'ty	Name	Q'ty
Machine host	1 pc	Screwdriver	1 pc
Weights	6 pc	Allen wrenches	1 set
Weights rod	1 pc	Horizontal adjusting screw	4 pcs
X-Y test table	1 pc	Power cable	1 pc
Thin specimen fixture	1 pc	10X digital eyepiece	1 pc
Flat mouth fixture	1 pc	Standard HV hardness block	2 pcs
Drill head fixture	1 pc	Fuse	1 pc
Gradienter	1 pc	Dust proof	1 pc
Quality certificate	1 pc	Manual book	1 pc

