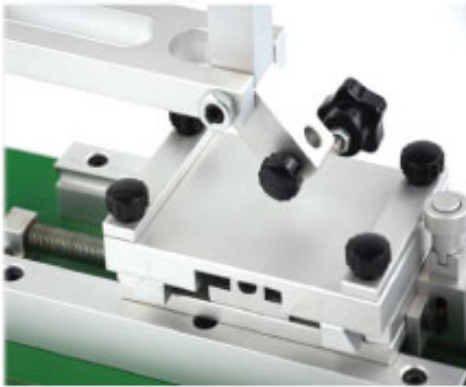


ITO-PEN-M001 PENCIL HARDNESS



use

Hand pencil hardness tester is also called scratch pencil hardness meter, hardness is an important physical properties of the lens, coating film, such as wear resistance, wear particle performance, friction resistance, scratch resistance, impact resistance and coating film retention and cleaning, etc., therefore, coating film hardness is to assess the performance of the lens, coating index. The instrument can be used to conveniently measure the hardness of lens and coating film.



This instrument mainly consists of pencil holder and test-bed, pencil holder and the pillar of four connecting rod structure, which ensure that the weight of the weight bench intersection on the vertical ACTS on the pencil lead and 45 ° Angle and make a pencil with test rig, and stays the same. The test stand can be moved horizontally or vertically to fix the paint pattern and slide the pattern toward the scratches. The pencil traces the pattern onto the pattern. The hardness of the film can be determined by drawing different marks with different pencils.

Product features:

1. Adopt high-precision, all-digital speed regulating system and precision reducer to drive precision screw pair for test, realize wide range adjustment of test speed, low noise and smooth operation during test.
2. touch the key operation mode, LCD real-time display. The display interface can display test method selection interface, test parameter selection interface, test operation and result display interface and curve display interface, which is convenient and fast.
3. Digital display of test force, continuous adjustable test speed, automatic stop of sample pulling, peak maintenance and other functions.
4. It can adjust the speed and speed of the beam when the sample is clamped, and has protection devices such as overcurrent, overpressure and overload.

Meet the standards:

GB 8808, GB 13022, GB 1040, GB 4850, GB 7753, GB 7754, GB 453, GB/T 17200, GB/T 16578, GB/T 7122, GB/T 2790, GB/T 2791, GB/T 2792, ASTM E4, ASTM D828, ASTM D882, ASTM D1938, ASTM D3330, ASTM F88, ASTM F904, ISO 37,

JIS P8113, QB/T 2358, QB/T 1130



PENCIL HARDNESS



Standard configuration: a set of main engine, standard drawing fixture

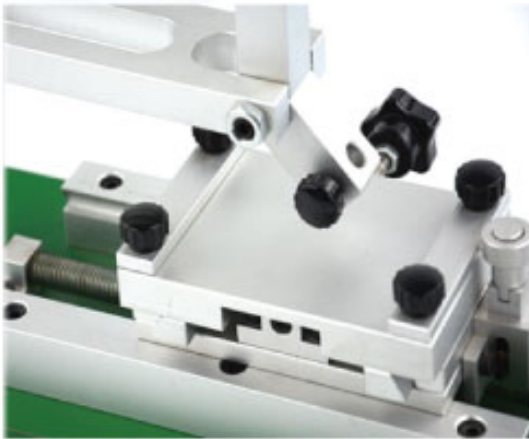
Technical parameters

Measurement Angle: 45 degrees

Test grade: grade 13 (6B-6H) standard zhonghua pencil for hardness test (6B, 5B, 4B, 3B, 2B, B, HB, H, 2H, 3H, 4H, 5H, 6H).

Weight: about 4KG

Load: 500G/250G/250G (three weights)



Technical parameters:

1. Maximum test force: 2000N (other ranges are optional);
2. Flow range: 0n-2000n force value is optional;
3. Test force accuracy; Better than $\pm 1\%$;
4. Displacement resolution: 0.01mm;
5. Displacement measurement accuracy: better than 1%;
6. Test stroke: 600mm or 1000mm (optional)
7. Displacement velocity control range: 1mm/min ~ 500mm/min
8. Displacement velocity control accuracy: better than 1%;
9. Test machine level: level 1
10. Test machine size: 530*266*1450 or 1810 mm
11. Power supply: 220V, 50Hz
12. Weight :100kg

