



TESTER PENCIL HARDNESS

The Modern Instrument's pencil hardness test is to determine the resistance of coating materials or lacquers to scratch effects on the surface.

Widely used for furniture or vehicle lacquers, but is also a useful aid in the development of synthetic resins or other film forming substances. 14 pencils from grade 6B to 6H are provided (Note: ASTM D3363 specifies 14 pencils. ISO 15184 required 20 pencil 9B – 9H, ordered seperately).

Generally scratch hardness is measured by moving a more or less sharp object under a known pressure over the surface of the material, inclined at an angel of $(45 \pm 1)^\circ$. According to the principle of leverage, the instrument is designed so that it is in a horizontal position, the tip of the pencil exerts a force of: 500 ± 10 grams, 750 ± 10 grams, and 1000 ± 10 grams, on the paint surface.



Standards

ASTM: D 3363, ECCA: T4, BS EN: 13523-4, ISO: 15184. JIS: K5600-5-4

Ordering Information

Product Ref	Description
PPH-500	Pencil Hardness Tester
PPH-750	
PPH-1000	
PPH-SET	Pencil Hardness Tester Kit



**MODERN
INSTRUMENTS**



No 18, Xuwang Road, QingPu District Shanghai, China



+86 2159884839



info@moderner.com