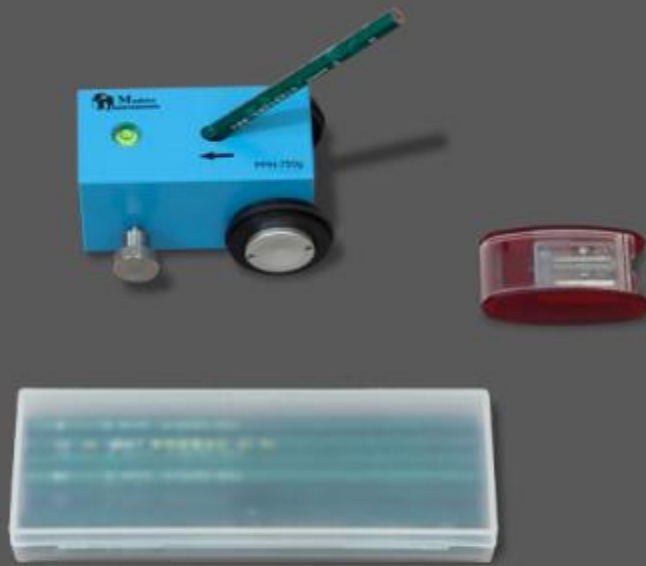




PENCIL HARDNESS TESTER

The 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 separately).



Standards

ASTM D3363, ISO 15184



Structure and working principle:

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 $(45\pm1)^{\circ}$ 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.

Technical Specification

Type		PPH-750	PPH-500/1000g	PPH-Set
Pressure on the pencil Core		750g	500g/750g/1000g	Include Pencil sharpener
Set of Pencil	No	13	13	
	Hardness	6B~6H	6B~6H	
Remark		Standard	Weight adjustment	

Ordering Information

Type	Name
PPH-500	Pencil Hardness Tester
PPH-750	
PPH-1000	
PPH-SET	



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