

Pencil Hardness Tester

Scratch Hardness tests is to determine the resistance of coating materials to scratch effects on the surface.

In the test, Pencils of various degrees of hardness are moved over the surface under a Fixed Pressure and angle to the surface. The degree of hardness of the Pencil which damages the surface is taken as a measurement of scratch hardness e.g. "3H" Hardness

- Pencil Guide with Imported Staedtler German or Uni Mitsubishi Japanese 12/20 Pencils.
- Pencils 9B,8B,7B,6B,5B,4B,3B,2B,B,HB,F,H,2H,3H, 4H,5H,6H,7H,8H,9H

Standard : ASTMD 3363, ISO - 15184

Ref.: 122 / 12 Pencil Guide with 12 Pencils

Ref.: 122 / 20 Pencil Guide with 20 Pencils



Automatic Scratch Tester

A test panel is clamped driven by constant speed while needle scratches the surface.

By increasing the load determine at which load needle is penetrating. Voltmeter indicates the Contact of the needle with the metallic surface.

- Automatic Electrically operated model with weights and two tungsten carbide needle.
- Suitable Panel Size : 150 x 75 x 1mm

Standard : BS 3900, E2, IS 101 : 1964

Ref.: 132/1 Cap. 1.5 Kg

Ref.: 132/5 Cap. 5.0 Kg



Hand Operated Scratch Tester

- Supplied with weights and needles.
- Suitable Panel Size : 150 x 75 x 1mm

Standard : IS

Ref.: 133/1 Cap. 1.5 Kg

Ref.: 133/3 Cap. 3.0 Kg

