



**Sun LabTek Equipments (I) Pvt. Ltd.**  
An ISO:9001:2008 Certified Company



## Rebound Hammer

### CONCRETE TEST HAMMER

Model No.: SL-CC-100



The concrete test hammer is an instrument which is easy to use, for quick and approximate measurement of the resistance to pressure of manufactured concrete products. The principles on which it works are based on the rebound impact of a hammer on a piston which rests against the surface of the concrete products. The Greater the resistance of the concrete, greater is the rebounded impact. By reading this rebound impact on a scale and relating it to curves on graphs supplied with the instrument, the resistance to compression in MPa or PSI can be found, with 20% of actual. Specifications : Consists of a barrel in which is housed a hammer mass attached to an impact spring which slides on a guide bar. A plunger is attached to the guide bar which is pressed against the surface to be tested. As the piston is pressed against the surface to be tested, on reaching the compressive strength, the hammer mass is released and rebounds to a certain extent (according to the strength of the surface) which is indicated by a rider on a calibrated scale. A lock button fixed on the body of the hammer locks the rider in place and the rider can be recared to zero position by using the same button. The equivalent compressive strength can be computed from the chart supplied. Each hammer is calibrated against at standard test hammer, and is suitable for specimen of compressive strengths 100 - 700 kg/cm. The instrument, complete with a grinding stone for polishing the test surface, is supplied in carrying case.

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REBOUND HAMMER

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## CONCRETE TEST HAMMER- DIGISCHMIDT Model No.: SL-CC-101



The **Schmidt Hammer** Digi-Schmidt was developed for the non destructive measurement of the concrete compressive strength and controlling the uniform concrete quality.

Besides showing the basic settings on the included display unit, the Schmidt Hammer offers the transmission of the measured data to a standard printer or to a PC. This supersedes the time consuming business of note taking allowing the user to focus on the essential. The window based software ProVista allows downloading, presenting and editing of the measured values in a fast and easy way.

The Schmidt Hammer is equipped with a sensor which measures the rebound value of a test impact to high resolution and repeatability. With the Schmidt Hammer, various parameters such as impact direction, form factor and time factors such as carbonation depth can easily be set.

The Schmidt Hammer offers automatic calculation of the compressive strength, Storage of customized conversion curves Data evaluation and storage as well as transmission to a PC with ProVista software are possible with the Schmidt Hammer, Schmidt Hammer Type ND: Suitable for use on concrete components of 100 mm (3.94 in.) thickness or more Schmidt Hammer Type LD: Suitable on concrete components of thickness less than 100 mm (3.94 In.) or on cast stone material, Both versions of the Schmidt Hammer are ideally suited for systematic high volume measuring and the detection of weak spots in the concrete as well as for the control of uniform concrete quality.