PROCEQ (SCHMIDT) TEST HAMMERS

STANDARDS: EN 12504-2, 13791; ASTM C 805; BS 1881:202

The Concrete Test Hammers are the most widely used portable NDT measuring instruments for a rapid assessment of the condition of a concrete structure.

ORIGINAL SCHMIDT

The classic Original Schmidt Hammer that became the basis of every major rebound hammer testing standard worldwide.

HR-C7015

Type N/L: The benchmark against which all rebound hammers are compared and the basis of every international rebound hammer standard. Available with different impact energies allowing customers to test a wide variety of materials and types of structure.

Original Schmidt Hammers are supplied with Impact Device, Carrying Case, Grinding Stone and Operating Instructions.

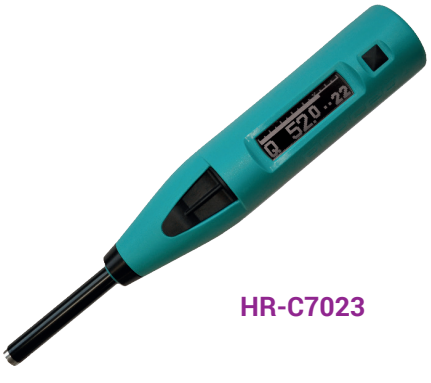
Calibration Certificate should be ordered separately.

Technical Specifications for ORIGINAL SCHMIDT

ORIGINAL SCHMIDT		
Type	Type N	Type L
Product Code	HR-C7015	HR-C7019
Impact Energy Measuring Range of Compressive Strength	2.207 Nm 10 to 70 N/	0.735 Nm 10 to 70 N/

SILVER SCHMIDT

The SilverSchmidt is a unique integrated concrete test hammer featuring true rebound value calculated from the quotient of the impact velocity and rebound velocity to provide maximum accuracy.



HR-C7023

ST: Standard model. Hammerlink software provided for performing firmware upgrades and selecting statistics presets only. Useful memory limited to the last 20 series.

PC: Full Hammerlink software functionality. Extended memory usage. Download to PC. User defined custom curves.

Type N: Standard impact energy. Test object should have minimum thickness of 100 mm (3.9") and be firmly fixed in the structure.

Type L: Low impact energy. Suitable for brittle objects or structures less than 100 mm (3.9") thick.

Intuitive User Interface

The language independent user interface is simple to use and provides all of the functionality necessary for a rapid assessment of the structure. Practically every command can be activated either directly or in two consecutive steps.

Data Acquisition and Processing

Pre-programmed statistical methods in accordance with all of the major standards assures an error free, rapid determination of the rebound value.

Reduced dispersion and direct conversion to compressive strength based on validated curves, regional curves or user defined curves bring improved accuracy to compressive strength estimates.

All data is automatically saved and the last 20 series may be reviewed in the data list.

Hammerlink – Data Analysis made simple

The Windows based software Hammerlink unlocks the full capabilities of the SilverSchmidt PC version, making it an even more powerful instrument for structural assessment.

HİRA TESTING EQUIPMENT

Hammerlink features:
- Extended memory usage
- Rapid uniformity testing with the summary view
- User defined conversion curves (polynomial and exponential)
- User defined statistical methods
- Printouts
- Export to third party software

Extending the range to fresh Concrete
The mushroom plunger in combination with the SilverSchmidt PC Type L hammer extends the lower measuring range down to approximately 5 MPa (725 psi).

This coupled with the SilverSchmidt's inherent angle independency makes it the perfect tool for early strength applications such as determining when to remove formwork in tunnel linings.

SilverSchmidt Hammers are supplied with Impact device, carrying case, grinding stone and operating instructions.

Calibration Certificate should be ordered separately.

Technical Specifications for SILVER SCHMIDT

SILVER SCHMIDT				
Type	Type ST/N	Type PC/N	Type ST/L	Type PC/L
Product Code	HR-C7023	HR-C7027	HR-C7025	HR-C7029
Impact Energy Measuring Range of Compressive Strength	2.207 Nm 10 to 100 N/mm2 (1'450 to 14'500 psi)		0.735 Nm 10 to 100 N/mm2 (1'450 to 14'500 psi)	

Features

Product Name:	Silver Schmidt	Original Schmidt
Display	Integrated Digital Display	Mechanical Display
Memory	400 series of 10 measurements (PC N and PC L versions only)	---
Connections	USB interface to PC	---
Standards	EN 12504-2, EN 13791, ASTM C805	EN 12504-2, EN 13791, ASTM C805

The Schmidt Concrete Test Hammers can be applied on all concrete structures such as bridges, buildings, retaining walls, barrages and many more. But they are also the perfect instruments to test in tunnels (e.g. the formwork stripping strength which is the concrete compressive strength fc to be achieved before removal of the formwork).