



IF IT'S WORTH BUILDING, IT'S WORTH TESTING

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Rebar Detector and Covermeter



Standard Concrete Test Hammer

Code: [35-1480](#)

Product Group: [Concrete Test Hammer, Surface Hardness](#)

The hammer is intended for testing the quality of concrete in finished structures such as buildings and bridges. Supplied complete with carrying case and carborundum stone, the hammer is suitable for testing concrete with compressive strengths of 10 to 70 N/mm².

Standards

ASTM C805

Specification

Body	Includes indicator scale, calibration curves.
Calibration Curves	Rebound number vs. compressive strength.
Rubbing Stone	Prepares test surface.
Accuracy	Within 15 %.
Carrying Case	Plastic.
Weight	Net 3 lbs. (1.4 kg).



Advanced SilverSchmidt Concrete Test Hammer (ST Version)

Code: 35-1500

Product Group: Surface Hardness, Surface Hardness

The SilverSchmidt ST is the first integrated concrete test hammer featuring true rebound value and unmatched repeatability.

Two factors contribute to the improved performance of this concrete test hammer over its predecessors:

- Velocity based detection of the rebound quotient
- The lightweight hybrid design of the impact plunger is made from aerospace alloy, matched to the elastic properties of the concrete and equipped with a hardness steel cap

Independent validation testing by BAM (Federal Institute for Materials Research and Testing, Germany) has shown the SilverSchmidt ST to have less dispersion than the classical concrete test hammer over the entire range.

The unique design and high quality construction of the concrete test hammer SilverSchmidt ST makes rebound hammer testing quicker and more accurate than ever before.

Standards

EN 12504-2, EN 13791, ASTM C805

Further Information

- The SilverSchmidt ST concrete test hammer combines a high measurement accuracy with an unmatched repeatability.
- The rebound value requires no angular correction
- The concrete test hammer offers customer conversion curves for a wide range of compressive concrete strengths, including low f_c (<10 N/mm², 1'450 psi) and high strength concrete (up to 100 N/mm², 14'500 psi)

- A large number of measurement points can be easily collected by the concrete test hammer and automatically evaluated according to statistical data

- The concrete test hammer offers automatic conversion to the required measurement unit (MPa, N/mm², kg/cm², psi)

PLEASE NOTE THIS MODEL IS SUPPLIED WITH SOFTWARE ONLY FOR PERFORMING FIRMWARE UPGRADES AND SELECTING STATISTICS PRESETS.

Specification

Technical Data	Silver Schmidt
Impact Energy	2.207 Nm
Hammer Mass	135 g
Spring Constant	0.79 N/mm
Spring Extension	75 mm (2.95")
Dimensions	55 x 55 x 255 mm (2.16" x 2.16" x 9.84")
Concrete Compressive Strengths	10-100 N/mm ² (1450-14500 psi)
Weight	570 g (1.4 lb)



Rebar Detector and Covermeter

Code: 35-2025

Product Group: Rebar Detection

The Rebar Detector and Covermeter is a versatile, fully-integrated rebar detector and cover meter with a unique real-time rebar visualisation allowing the user to see the location of the rebar beneath the concrete surface to a maximum depth of 180 mm. This is coupled with rebar-proximity indicators and optical and acoustical locating aids. Rebar diameter can also be estimated within the specified testing range. The Rebar Detector and Covermeter combines these unique features in a compact, light device that allows the user to operate this rebar detector with one hand making the task of locating rebars a simple and efficient process. In addition, ELE's rebar detector convinces through its intuitive user interface making rebar detection easy.

NOT AVAILABLE FOR SALE IN THE USA

Further Information

- A rebar detector with real-time visualisation of the rebars beneath the instrument
- Visual indication of rebars in close proximity
- The 35-2025 is a rebar detector with the ability to identify the mid-point between rebars as well as the orientation of rebars
- Optical and acoustical indication of rebar location and minimum cover alert
- This rebar detector offers neighbouring bar correction
- Regional settings (metric, imperial)
- Cordless and single handed operation
- Switchable display backlight for dark environments
- A rebar detector with icon-based language independent menus
- Start-up test kit allows user to familiarize him/herself with all functions in a comfortable environment, wasting no time on site

Specification

Power Supply	2 x 1.5 V AA Batteries
Voltage Range	3.6 V to 1.8 V
Dimensions	205 x 92 x 41 mm (8 x 3.6 x 1.6")
Temperature Range	-10°C to 60°C (14°F to 140°F)
Humidity Range	0 to 100% rH
Protection Range	IP54