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Portable Non-Destructive
Concrete Testing Instruments

Schmidt® Test Hammers

SilverSchmidt ST/PC

The SilverSchmidt is the first fully-integrated concrete test hammer, featuring the most accurate rebound value and unmatched repeatability in the industry. Independent validation testing by BAM (Federal Institute for Materials Research and Testing, Germany) has shown the SilverSchmidt to have less dispersion than the classic concrete test hammer.

Original Schmidt

The Proceq Original Schmidt concrete test hammer was the world's first concrete test hammer. Today, it is still the most widely used instrument for analyzing the uniformity and compressive strength characteristics of concrete structures. It is available in models with different impact energies, each designed for a specific test application to investigate a wide range of material types and sizes.

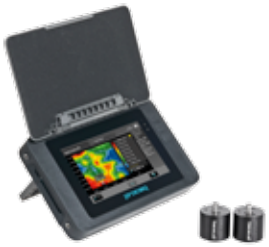
Schmidt OS-120

The Schmidt OS-120 pendulum hammers are designed to test on softer material such as light weight concrete, gypsum boards, fresh concrete and the mortar of joints in brickwork. Their unique design allows easy to handle measurements on vertical and horizontal surfaces. It is the only rebound hammer worldwide working with the pendulum system, thus it must not be loaded on the test surface.

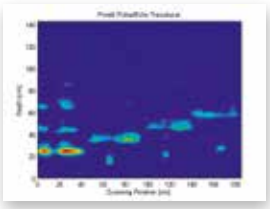
Ultrasonic Testing

Pundit® PL-200/PE

The Pundit PL-200 features a number of performance enhancements and provides superior features for on-site testing like line scans for concrete uniformity assessments and dual cursor for manual A-Scan evaluation. Together with the Pundit Pulse Echo (PL-200PE) it is the first Proceq product using a new generation state-of-the art and design-protected IP54 Touchscreen Unit.



The Pundit Pulse Echo transducer is a shear wave transducer designed for single-handed and two-handed operation. It is particularly suited to testing where access is limited to a single side. It can be used to detect and localize voids, pipes, cracks (parallel to surface), and honeycombing.



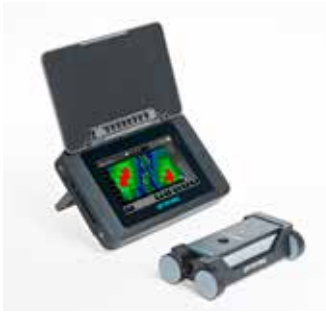
Pundit® Lab(+)

The Pundit Lab features online data acquisition, waveform analysis and full remote control of all transmission parameters. Along with the traditional transit time and pulse velocity measurement, the ultrasonic test equipment Pundit Lab offers path length measurement, perpendicular crack depth measurement, surface velocity measurement and compressive strength estimation. A wide range of transducers is available for different customer needs.

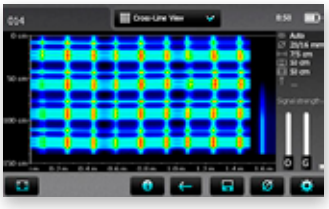
Cover Meter and Rebar Detectors

Profometer® PM-6

Profometer PM-600 is an advanced cover meter for the precise and non-destructive measurement of concrete cover and rebar diameters and the detection of rebar locations using the eddy current principle with the pulse induction method. It is based on the new generation Profometer Touchscreen Unit which offers real time control over the measurement procedure directly on site.



The Profometer PM-630 advanced scan cover meter is a sophisticated instrument extending the application range of the Profometer PM-600 with the Line- and Area-Scan Modes and an extensive choice of statistical views. It is specially suited to measuring large areas, long lines or when comprehensive reporting is required.



The Profometer PM-650 extends the measuring modes of the Profometer PM-630 with the unique Cross-Line Mode and further analysis functions. The Cross-Line Mode allows users to measure the rebars of the first and second layer typically arranged in a rectangular mesh.

Profoscope(+)

The Profoscope is a hand-held rebar detector and cover meter. It can also determine rebar diameter. It features a unique real-time rebar visualization, rebar proximity indicators and locating aids. This allows the user to “see” the location of the rebar. The Profoscope+ features additional memory functions.

Resistivity Meter

Resipod® Family

Resipod is a fully integrated 4-point Wenner probe, designed to measure the electrical resistivity of concrete in a completely non-destructive test. It is the most accurate instrument available, extremely fast and stable and packaged in a robust, waterproof housing designed to operate in a demanding site environment.

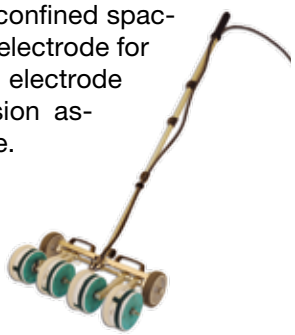
Geometric: Resipod Geometric is supplied with a variable spacing probe that can accommodate larger aggregate sizes.

Bulk Resistivity: The Bulk Resistivity test is an alternative method where the sample resistivity is measured between electrical plates placed at either end of the sample.

Corrosion Analysis

Canin+

The Canin+ assesses the corrosion condition of steel in concrete through the half-cell potential method. Available with a rod electrode for confined spaces or spot checks or a wheel electrode for large surfaces. The 4-wheel electrode version is the fastest corrosion assessment instrument available.



Pull-Off Adhesion Testing

Proceq DY-2

The Proceq DY-2 Family of automated pull-off testers covers the complete range of pull-off applications with unmatched ease of operation and a unique capability to store a complete record of the test. Proceq DY-2 has an integrated, feedback controlled motor which guarantees a constant load rate. All models are calibrated according to EN ISO 7500-1 Class 1 and thereby exceed the accuracy requirements specified in all major standards.

Concrete Moisture

Hygropin

The Hygropin is a state-of-the-art moisture meter. Due to the small, fast sensor of the Hygropin, diagnosing moisture according to ASTM F2170-09 is quicker and easier than ever before. The in-situ technique has proven to be the most reliable method since it measures directly where the moisture hides below the surface.

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TECHNICAL SERVICES

NDT Master Trainings

Proceq offers training modules which are strongly focused on a practical approach to routine testing of in-situ concrete quality using the Proceq products.

The following modules are available:

- Essentials of Cover Meter Detection using the Electromagnetic Pulse Induction Technology
- Essentials of Non-Destructive Testing (NDT) of Concrete using Ultrasonic Methods
- Advanced Ultrasonic Tomography Applications

Application Support Service

ASK MALCOLM

"Ask Malcolm" is an Application Support Service provided by Proceq experts to owners and users of the Pundit PL-200PE who have completed the corresponding advanced training module.

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