

# Instruments for non-destructive testing

## of concrete structures

### Original Schmidt® Concrete Test Hammer

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.

### SilverSchmidt ST/PC Concrete Test Hammer

The SilverSchmidt ST/PC 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 ST/PC to have less dispersion than the classic concrete test hammer.



### Profoscope Rebar Detector & Covermeter

The Profoscope is a hand-held rebar detector and covermeter. 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.



### Profometer® 5+ Rebar Detector & Covermeter

The Profometer 5+ rebar detector and covermeter is a sophisticated device for locating rebars and for measuring concrete cover and bar diameter. In addition to the standard S model, the Scanlog version offers 2-dimensional display of rebar layout and mapping of concrete cover values.



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### Pundit® Lab

#### Ultrasonic Pulse Velocity Instrument

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 and surface velocity measurement and compressive strength estimation. The Pundit Lab+ offers additional features such as integrated amplifier gain stages and the ability to measure compressive strength.



### Canin+

#### Corrosion Analysis Instrument

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.



### Resipod

#### Surface Resistivity Meter

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.



### Hygropin

#### Moisture Meter

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 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.



### Dyna

#### Pull-Off Tester

The Dyna pull-off tester determines the adhesive strength of applied coatings and the tensile strength of concrete. Two versions are available with either an integrated manometer or an external display device. With its compact design, tests can be carried out at any point on a structure without prior installation of test devices.



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