**Concrete Scanner with Corrosion Analyser**

**Scope of the Equipment:**

* The all-in-one solution for rebar assessment and corrosion analysis.

**About the Equipment:**

* Profometer touch screen with illustrative display and assisted workflow
* Profometer Corrosion interface box Ready to connect half cell electrodes to Profometer unit
* Advanced cover meters and rebar locators based on the eddy current pulse induction principle
* Assisted scan of any surface regardless of its size and geometry
* Single line scan, multi-line scan, area scan and cross scan facilities.
* Universal probe and detachable ruggedized cart with wireless path measuring system
* Most versatile half-cell potential solution
* Unique wheel electrodes allow the fastest and most efficient on site testing
* Complies with international standards

**Applications of the Equipment:**

* Used for Non Destructive Testing of concrete.
* Analyse corrosion problems in RCC related works.
* Detect the soundness/quality of RCC
* Carryout the stability assessment of structures
* Predict the rebar location, quality and rate of corrosion in the structures



**Silver Schmidt Digital Rebound Hammer**

**Scope of the Equipment:**

* NDT measuring instrument for a rapid assessment of the condition of a concrete structure

**About the Equipment:**

* The forward and the rebound velocity of the hammer mass are both measured in close proximity to the point of impact. The rebound value requires no angular correction.
* The new measurement principle and the design of the mechanics enable the Proceq Hammer to outperform its predecessors.
* A larger number of measurement points can be easily collected by the instrument and automatically evaluated according to statistical criteria.

**Applications of the Equipment:**

* Concrete uniformity testing
* Concrete compressive strength estimation
* Concrete screening test to identify core locations

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**Rebar Locator**

**Scope of the Equipment:**

* To find the position of steel reinforcement bars in concrete structures and to measure their concrete cover.

**About the Equipment:**

* The eddy current pulse induction principle is the only imaging technology not influenced by concrete composition and humidity, which leads to a high cover accuracy under every scenario
* The fully integrated Profoscope for quick and easy rebar detection.
* It is the easiest and fastest ways for detecting reinforcing bar in concrete. It is widely used before coring or drilling holes to find “safe spots”.

**Applications of the Equipment:**

* Used to indicate rebar direction and location when drilling and cutting concrete core for most other non-destructive investigations.
* Give an indication of the depth of concrete cover.



**Ultrasonic Pulse Velocity Concrete Testing Apparatus**

**Scope of the Equipment:**

* To evaluate material properties, to locate voiding or damage in concrete structural elements and to measure the depths of cracking in concrete.

**About the Equipment:**

* Designed to be used on-site in harsh environments
* Settings directly accessible on measuring screen
* On board storage and review of waveforms
* Automatic and manual triggering and user adjustable trigger threshold

**Applications of the Equipment:**

* Used to measure the homogeneity of a concrete
* Predict the presence of voids, cracks or other internal imperfections or defects
* Find the changes in the concrete which may occur with time (i.e. due to the cement hydration) or damage from fire, frost or chemical attack
* Determine the quality of the concrete in relation to specified standard requirements.

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