

SCHOLAR

Combined Logging Cover Meter and Half-Cell Potential Meter



An essential tool for anyone carrying out serious site investigation work, particularly for reinforced concrete structures.

Two instruments in one – SCHOLAR saves you time and money.

Cover Meter – Rapidly and accurately measures the depth of concrete cover and bar size.

Half-Cell Meter – Identify areas at risk of corrosion long before any physical damage is visible.

Designed by users for users.



Half-Cell Meter

KEY BENEFITS

- Dual display – allows you to see settings and view stored data simultaneously.
- Highly readable display – large, solid characters and backlight.
- Left or right-handed operation with dual inputs and controls making it easy to use even in difficult locations.
- Logging capability saves you time on site and when compiling reports.
- Fast review capability to save time when checking stored results.
- Rapid surveying of large areas using the optional Potential Wheel accessory.

KEY FEATURES

- Standard head measures and detects reinforcement with up to 150mm cover.
- Optional sensing head measures to over 250mm and detects at up to 300mm.
- Rapid scanning for low cover using settable audible alarm.
- Automatic sizing of single bars.
- Refillable silver/silver chloride hand-held electrode.
- Store up to 30,000 readings.

SPECIFICATION

Measurement Ranges

- Cover Mode:
Standard Head: up to 130mm.
Deep Seeking Head: up to 250mm
- Detect Mode:
Standard Head: up to 170mm.
Deep Seeking Head: up to 370mm.
- Potential:
Silver/Silver Chloride hand-held cell or potential wheel. Values corrected to read in terms of Copper/Copper Sulphate potentials.

Displays

- Measurement results display:
large, solid black characters (18mm x 10mm).
- Large graphic display for menus and data review.

Keypad

- Dual right or left-handed 4-key keypad.

Data Storage

- Capacity of 30,000 results stored as 30 pages, each of 32 lines x 32 columns.
- Results downloadable to PC or printer.
- Downloaded data colour coded to aid interpretation of results.
- Data can be easily imported into MS Excel for analysis and graph plotting.

Environmental

- Power supply: 4 x AA Cell
- Operating Temperature Range: 0°C to 40°C

KIT OPTIONS:

The instrument is supplied in a protective nylon case with shoulder strap and search head holster.

Standard Kit:

- The instrument is supplied as a cover meter with the standard sensing head.

Optional Extras:

Please ask if you require any of the other options:

- Deep Seeking Sensing Head.
- Hand-held half-cell.
- Potential Wheel.

The Hand-held half cell and the Potential Wheel are supplied with extension leads and extending poles for access to difficult locations.



Potential Wheel

STANDARDS

Concrete Cover:

Complies with BS1881 Part 204. Accuracy is better than specified in the standard.

Potential:

Complies with ASTM 876

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