

Kolectric Research

# MC8022 Covermeter

- › Fast, accurate measurement of concrete cover
- › Quick, clear indication of rebar location
- › Automatic measurement of bar size
- › Rapid area scanning for low-cover
- › Built-in data logging
- › Lightweight, IP65-rated instrument



## Kolectric Research

The innovators behind the original Concrete Covermeter, the MicroCovermeter and the latest in precision concrete cover measurement – the MC8022.

## MC8022 Covermeter

Advanced digital processing and pulse-induction measurement combined in a rugged, highly portable instrument to give exceptional resolution and accuracy.

## Solid Foundations

MC8022 builds on the proven performance of Kolectric's MC8020 and is even easier to use.

Tough new cables and connectors make it the best choice for harsh environments and a fast new power system ensures MC8022 is ready to work when you are.

## The latest in precision concrete cover measurement

Rugged, lightweight and easy-to-use, the Kolectric Research MC8022 provides rebar location, sizing and cover measurement in a single weather-resistant instrument.

For immediate results on-site, the onscreen gauge and audio feedback rapidly pin-point rebar location and orientation. Cover is easy to read on the back-lit display and time-stamped readings can be logged instantly with a simple button press on the probe.

Bar size can be preset if known, or detected automatically for survey and investigation tasks. For non-standard bar sizes, large diameter pipes or other pre-fabricated items, the MC8022 can also show absolute measurements that can be used to look up cover using custom tables.

Unlike bulkier, all-in-one equipment, the MC8022 features a compact hand-held probe and industrial-grade flexible cable so that measurements can be made easily in hard-to-access spaces that would otherwise prevent the user from seeing readings; culverts, arches and over-hangs are all in reach with the MC8022. The optional dust-cover and strap also makes the MC8022 easy to carry, keeping equipment and users safe.

Built on proven technology used around the world for survey, pre-fabrication, test and inspection, the MC8022 is the latest in precision concrete cover measurement from Kolectric Research.

# MC8022 Covermeter

- › Simple to learn and easy to use
- › Fast and efficient measurement to check compliance, avoid drilling hits or investigate legacy structures
- › Meets or exceeds the requirements of BS1881 part 204 over the full range of the instrument
- › Annual test and certificate of conformity available from Kolectric Research



## MC8022 Covermeter Kits

### Standard kit contents:

- MC8022 instrument
- Probe with integral cable
- Battery charger
- Spare probe sole-plate
- Certificate of Conformity
- Light & tough equipment bag
- 2 year warranty

Order TK0166-200

### Pro kit additional contents:

- Executive hard case in place of equipment bag
- Protective dust-cover and wrist strap

Order TK0166-210

### Optional accessories:

- High-impact, waterproof site case
- USB download cable & software
- Shoulder strap

Refer to Kolectric to order

# Technical Specification

## Cover Measurement

<b>Cover range</b>	5mm – 185 mm
<b>Accuracy</b>	± 1mm up to 60mm cover
	± 2mm up to 120mm
	± 3mm up to 160mm
	± 4mm over 160mm

## Automatic Bar Sizing

<b>Accuracy</b>	± 0.5mm – ± 1.5 mm
<b>Resolution</b>	0.1mm
<b>Operating Depth</b>	6mm bar up to 60mm cover
	40mm bar up to 80mm cover

## Bar Resolution

Bar Size	Cover	Minimum Spacing
16mm	60mm	70mm
16mm	100mm	110mm
25mm	130mm	150mm

## Operating Parameters

<b>Operating Weight</b>	800g (instrument+probe+cable)
<b>Operating Temp</b>	-10°C – +50°C
<b>Battery Operation</b>	20 hrs
<b>Battery Charger</b>	110 – 240V AC
<b>Ingress Protection</b>	IP65

Performance data is typical for an instrument that is operated according to the user manual and has been tested and certified to be in conformity with the requirements of BS1881-204:1988 by Kolectric Research.

Kolectric Research  
New Forest Enterprise Centre  
Southampton, SO40 9LA, UK

Phone +44 (0)23 8066 0127  
Email sales@kolectric.com  
www.kolectric.com