

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 on-site results, 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 or detected automatically for survey and investigation tasks. For non-standard bar sizes, pipes or other pre-fabricated items, the MC8022+ can also show absolute measurements that can be used to estimate 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 within reach using 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.



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# 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 directly from Kolectric Research
- › Spares and repairs generally available for 7+ years from purchase, protecting your investment as well as the environment



Image for illustration only; improvements and alterations may be made at any time.

## MC8022+ Covermeter Kits

	Standard Kit Order TK0261-200	Pro Kit Plus Order TK0261-230
MC8022+ instrument	✓	✓
Probe with integral cable	✓	✓
Battery charger <i>Supplied with local AC outlet adapter</i>	✓	✓
Spare probe sole-plate	✓	✓
User guide	✓	✓
Dust cover & wrist strap		✓
Shoulder strap for dust cover		✓
Kolectric equipment bag <i>Custom-made lightweight bag keeps your kit together and offers protection in everyday use</i>	✓	
High-impact, waterproof hard-case <i>Tough, black polypropylene case includes precision foam liner for maximum protection</i>		✓
12 months certificate of conformity	✓	✓
24 months warranty	✓	✓

# 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 typical
<b>Full Charge</b>	3 hrs typical
<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.

Optional Accessories	Order Number
USB download cable & software	TK0261-301
Dust cover & wrist strap for standard kit	TK0261-302
High-Visibility Orange hard-case	TK0261-306

## Designed & Made in the UK by

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