

KOLECTRIC MC8022 MICROCOVERMETER

For Rebar Location, Sizing & Cover Measurement in Concrete Structures



The **MC8022 Micro covermeter** represents the latest in precision concrete cover measurement. The **Kolectric 8022** provides **rebar location, rebar sizing and cover measurement**.

Based on **advanced digital processing & pulse induction measurement**, the 8022 is a ruggedized IP65 rated non destructive testing (NDT) instrument that is weather rated & ideal for on site usage.

Performance meets requirements of BS1881 part 204 completely.



Rapid measurement using on screen display audio feedback

Features :

- Fast & Highly accurate measurement of concrete cover.
- Quick, clear indication of Rebar Location.
- Automatic measurement estimation of Rebar size.
- Bar size can be preset if known, or detected automatically for survey and investigation tasks.
- Rapid area scanning for low-cover.
- 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.
- **Built-in data logging** with time stamped readings logs cover depth, bar size, data & time for downloading in CSV data format.
- Visual LCD Display with Backlight combined with Audio feedback allows rapid rebar location & orientation.
- **Minimum rebar spacing of 70mm** is the best in the industry allowing high accuracy measurements.
- Automatic bar sizing accuracy of ± 0.5 mm to ± 1.5 mm is the best in the industry.
- High cover depth capability of 185mm.

Technical Specification :

Cover Measurement	Specification	
Cover Range	5mm – 185 mm	
Accuracy	±1mm up to 60mm cover	
	±2mm up to 120mm	
	±3mm up to 160mm	
	±4mm over 160mm	
Automatic Bar Sizing		
Accuracy	± 0.5mm to ± 1.5 mm	
Resolution	0.1mm	
Operating Depth	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		
Operating Weight	800g (instrument+probe+cable)	
Operating Temp	-10°C to+50°C	
Battery Operation	20 hrs	
Battery Charger	110 – 240V AC	
Ingress Protection	IP65	

Standard Supply Includes :

INSTRUMENT CONTROL UNIT



- Pulse-induction cover measurement with advanced digital processing in a rugged, highly portable instrument giving exceptional resolution and accuracy.

Part No. : AS0166-001

MC 8022 PROBE



- Compact probe to measure rebar location, orientation, cover depth and bar size, housed in impact resistant ABS.

Part No. : AS0166-002

PROBE CABLE



- Connects MC8022 to the probe. Flexible 1.5m cable with weather resistant connectors.

Part No. : CF0166-007


BATTERY CHARGER



- To charge the internal battery of the MC8022. Available in four AC pin configurations to suit local fittings, accepts 110-240V supply, with 1.8m cable.

Part No. : CF166-006-20


DOWNLOAD CABLE



- Download logged data to KoLog software on a PC. Flexible 1m cable fitted with matching connector for MC8022 and "D-sub" serial port connector for PC.

Part No. : CF0166-002

MC 8022 CD



- Contains PC application software for downloading data and operator's manual in pdf format.

Part No. : AS0166-003