METAL FINISHING

CMI255 & **CMI**257

Advanced Coating Thickness on Ferrous and Non-Ferrous Metal Substrates

Quality assurance for thickness of paint, lacquer, zinc and other protective coatings on metal substrates

Two probe configurations designed to fit your measurement needs

The **CMI**255 and **CMI**257 dual technology coating thickness gauges offer high reliability testing of protective and decorative coatings applied to steel, iron, aluminium and other metal substrates. With on-board statistics to review a series of measurements and the ability to account for variations in substrate materials, the **CMI**255 and **CMI**257 are purpose-built quality assurance and inspection tools for:

- Paint & powder coaters
- Electroplaters
- Galvanizers
- Coating inspectors
- Automotive and aerospace finishers

These compact, handheld gauges are factory calibrated and automatically select the best measurement technique for the base material. The gauges are durably designed, include a rubberized cover and meet IP52 environmental protection standards to withstand use in harsh conditions.

The **CMI**255 features an integrated probe for single-handed operation. The **CMI**257 features a tethered probe for taking measurements on locations that are more difficult to reach.

Reliable non-destructive analysis

Key features

- On-board statistics
- Base re-zero function
- Factory calibrated
- Automatic substrate detection
- Integrated or external probe configuration
- IP52 protection against dust and water

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CMI250 **Series Dual Technology**

- Magnetic induction technology for non-magnetic coatings (paint, powder coat, zinc, cadmium) over ferrous and magnetic steel
- Conforms to ASTM D7091, B499, B530, DIN EN ISO 2178
- Eddy current technology for non-conductive coatings (paint, powder coat, epoxy, lacquer) over non-ferrous metals like aluminium, magnesium or copper
- Conforms to ASTM B244, B529, DIN EN ISO 2360

	CMI255	**CMI**257
Probe	Integrated	Tethered
Thickness Range	Ferrous: 0-3500 µm / 0-140 mil Non-ferrous: 0-3000 µm / 0-120 mil	
Accuracy	± 2 µm (0.08 mil) or ± 2% whichever is greater	
Resolution	1 µm @ 0-1000 µm 2 µm @ 1000-2500 µm 5 µm @ 2500-3000 µm	0.1 mil @ 0-100 mil 0.2 mil @ 100-140 mil
Body dimensions	110 mm x 50 mm x 25 mm 4.3″ x 2″ x 1″	
CMI257 **probe dimensions**	24 mm Ø x 47 mm 1″ Ø x 1.8″	
Weight	90 g (3.2 oz)	140 g (5.0 oz)
Batteries	2 x AAA	
Protection	IP52 (dust and dripping water)	
Minimum sample dimensions		
Convex radius	5 mm / 0.2″	
Concave radius	50 mm / 2″	
Clearance	125 mm / 5″	50 mm / 2″
Measurement area	10 mm x 10 mm / 0.4″ x 0.4″	

visit **www.analyticalspares.com** to purchase gauges and accessories

visit **www.oxford-instruments.com/gauges** for more information or email Industrial@oxinst.com

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