

CMI155 & CMI157

Coating Thickness on Ferrous and Non-Ferrous Metal Substrates

Rapid inspection of paint, lacquer and other protective coatings on metal substrates

Dual technology ensures the right measurement on contact

The **CMI155** and **CMI157** measure the thickness of single layer coatings or the total thickness of applied coatings on iron, steel, aluminium and other metal substrates. With a probe foot designed for smooth surfaces and an extended measurement range, they are ideal metrology tools for:

- Paint & powder coaters
- Coating inspectors
- Automotive and aerospace finishers
- Electroplating plants

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.

Key features

- Single-button operation
- Factory calibrated
- Automatic substrate detection
- Integrated probe design
- IP52 protection against dust and water
- No operator training required



Reliable
non-destructive
analysis

OXFORD
INSTRUMENTS

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CMI150 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



	CMI155	CMI157
Thickness Range	0-2000 µm 0-80 mil	0-3000 µm 0-120 mil
Accuracy	± 5% + 3 µm ± 5% + 0.12 mil	± 5% + 3 µm ± 5% + 0.12 mil
Resolution	1 µm @ 0-1000 µm 2 µm @ 1000-2000 µm 0.1 mil @ 0-80 mil	1 µm @ 0-1000 µm 2 µm @ 1000-2500 µm 5 µm @ 2500-3000 µm 0.1 mil @ 0-100 mil 0.2 mil @ 100-120 mil
Dimensions	110 mm x 50 mm x 25 mm 4.3" x 2" x 1"	
Weight	90 g (3.2 oz)	
Batteries	2 x AAA	
Protection	IP52 (dust and dripping water)	
Minimum sample dimensions		
Convex radius	25 mm / 1"	
Concave radius	50 mm / 2"	
Clearance	125 mm / 5"	
Measurement area	40 mm x 40 mm / 1.6" x 1.6"	

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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