

## CMI95M®

Reliable copper foil and laminate thickness measurement in under 1 second

### Find out more

These gauges are a great complement to our XRF coatings analysers. To place your order contact [contact@hitachi-hightech-as.com](mailto:contact@hitachi-hightech-as.com)

### MORE INFORMATION

To find out more about the CMI95M® or our range of PCB gauges, visit

[www.hitachi-hightech.com/hha](http://www.hitachi-hightech.com/hha)



## QUALITY ASSURANCE FOR PCB FOIL AND LAMINATE COPPER THICKNESS AT INSPECTION AND BOARD FABRICATION

Measure foil or laminate thickness on PCBs between 1/8 to 4.0 oz/ft² (5-140 µm) in less than 1 second.

Our CMI95M® is easy to use – just place the unique soft-touch probe on the copper surface and note the thickness measurement on the indicator. This gauge uses field-proven microresistance technology to sort copper foil and laminates by thickness. The CMI95M® is robust, affordable and highly accurate. Because it is factory calibrated it does not require the use of standards. Common applications for the CMI95M® are:

- | PCB manufacturing and assembly.
- | Copper surface thickness.

### KEY FEATURES:

- | Battery operated with low battery warning.
- | CE approved.
- | Factory calibrated.
- | Proven durability.
- | Simple to use.
- | Exclusive soft touch probe.

**FAST  
RUGGED  
EASY**

## CMI95M®

- | Easily identify out of spec copper foil quickly and accurately to avoid scrap and rework costs.
- | Soft touch probe prevents the copper surface from being marred or scratched, eliminating board damage.

## SPECIFICATIONS

- | Dimensions: in: 2.5" (W) x 1.25" (D) x 4.1" (H).  
mm: 66 (W) x 32 (D) x 104 (H).
- | Weight: 4.4 oz (125 grams).
- | Battery: 9V, user replaceable.
- | Range: oz/ft<sup>2</sup>: 1/8, 1/4, 3/8, 1/2, 1, 2, 3, 4.  
µm: (5, 9, 12, 17, 35, 70, 105, 140).



## PCB GAUGE COMPARISON CHART

We offer multiple choices for a PCB gauge within the PCB industry to provide you with the best and most cost-effective solution available for your application needs. Please reference the comparison chart below or contact us at [contact@hitachi-hightech-as.com](mailto:contact@hitachi-hightech-as.com) for our expert advice.

	CMI95M	CMI165	CMI511	CMI563	CMI760
Technique	Microresistance	Microresistance	Eddy	Microresistance	Microresistance
Copper Foil	●	●		●	●
Copper Laminate	●	●		●	●
Copper – Surface		●		●	●
Copper – Fine Line		●		●	●
Copper Thru-hole			●		Optional
Temperature Compensation		●	●		ETP Probe
Replacement Probe Tip		●		●	SRP-4 Probe
Unit Selection	oz or µm	mil or µm	mil or µm	mil or µm	mil or µm
Copper Thickness Range					
µm	8 indicator lights: 5-140	Electroless: 0.25-12.7 Electroplated: 2-254	2-102	Electroless: 0.25-12.7 Electroplated: 0.25-152	Surface: 0.25-254 Thru-hole: 1-102
mil		Electroless: 0.01-0.5 Electroplated: 0.1-10	0.08-4	Electroless: 0.01-0.5 Electroplated: 0.01-6	Surface: 0.01-10 Thru-hole: 0.08-4

Our global network of service hubs offer a full range of technical support to keep you up and running.

We are A2LA certified\* for coating thickness calibrations and standards which means that your CMI95M® will be ISO compliant.

\*A2LA accreditation is applicable to work performed by Hitachi High-Tech Analytical Science America, Inc.



If you'd like to learn more about the CMI95M® gauge visit [www.hitachi-hightech.com/hha](http://www.hitachi-hightech.com/hha) or email one of our experts at [contact@hitachi-hightech-as.com](mailto:contact@hitachi-hightech-as.com) to book a demo.

## Hitachi High-Tech Analytical Science

This publication is the copyright of Hitachi High-Tech Analytical Science and provides outline information only, which (unless agreed by the company in writing) may not be used, applied or reproduced for any purpose or form part of any order or contract or regarded as the representation relating to the products or services concerned. Hitachi High-Tech Analytical Science's policy is one of continued improvement. The company reserves the right to alter, without notice the specification, design or conditions of supply of any product or service.

Hitachi High-Tech Analytical Science acknowledges all trademarks and registrations.

© Hitachi High-Tech Analytical Science, 2018. All rights reserved.

Part number: OIIA/95B/0413

