

## 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 analyzers. To place your order contact [contact@hitachi-hightech.com](mailto:contact@hitachi-hightech.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/ft<sup>2</sup> (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.com](mailto:contact@hitachi-hightech.com) for our expert advice.

	CMI95M	CMI165	CMI511	CMI563	CMI760
<b>Technique</b>	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
<b>Unit Selection</b>	oz or µm	mil or µm	mil or µm	mil or µm	mil or µm
<b>Copper Thickness Range</b>					
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.com](mailto:contact@hitachi-hightech.com) to book a demo.

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