

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

MORE INFORMATION

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

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/ft²: 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 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	N/A	●		●	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 or email one of our experts at contact@hitachi-hightech-as.com to book a demo.

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