

## CMI730®

Versatile benchtop gauge for electroplating, galvanizing, anodizing and paint

### 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 CMI730® or our range of metal finishing gauges, visit

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



## THE CMI730® PROVIDES ADVANCED PLATING AND PROCESS COATING CONTROL FOR COATING PROFESSIONALS

This easy-to-use instrument with an ergonomic design contains a powerful microprocessor which delivers precise measurements at the touch of a button. Our CMI730® is specifically designed for the plater, coater and quality professional that needs reliability in harsh plating environments. Its display is clearly visible from several feet away and virtually any angle. The CMI730® increases productivity and accuracy during any phase of inspection.

Typical applications:

- | **Platers:** Zn, Cd, Cr, Cu etc.
- | **Coaters:** Paint, powder and anodising.
- | **Quality:** Incoming inspection of coated or plated parts.

The CMI730® is an advanced non-destructive solution for the measurement of coating and plating thickness. It is highly accurate for the following measurements:

- | Non-conductive coatings over conductive metal substrates.
- | Electroplating over ferrous substrates.

### KEY FEATURES

- | Large, bright colour display.
- | Easy switching between measurement techniques.
- | Adaptable magnetic and eddy current probes.
- | Robust design.

**RELIABLE  
NON-DESTRUCTIVE  
ANALYSIS**

# CMI730®

The CMI730 has a flexible design to utilize amplitude and phased eddy current probes. Despite their small size and simple appearance, our probes are high precision electromechanical assemblies that play a critical role in your ability to measure parts accurately. One of our experts on the Hitachi High-Tech team will gladly help you select the probe that is most appropriate for your specific application based on type of coating, thickness, and the size and shape of the parts measured. Optional probe guides are available for extra precision control.

## EDDY CURRENT AND MAGNETIC RANGE OF MEASUREMENT

### Eddy Current Mode Range

Non-Conductive on Conductive	0.1-40.0 mils (2.5-1000 µm)
Zinc on Steel	0.1-1.50 mils (2.5-37.5 µm)
Cadmium on Steel	0.1-1.50 mils (2.5-37.5 µm)
Copper on Steel	0.1-0.75 mils (2.5-19 µm)
Chromium on Steel	0.1-1.5 mils (2.5-37.5 µm)

## SPECIFICATIONS


- Eddy Current: Conforms to methods ASTM B244 & B259, DIN 50984, ISO 2360 and BS 5411 Part 3.
- Accuracy: ± 1 % ± 0.1 µm referred to reference standards.
- Available units: Select from mils, µm, µin, mm, in., or % for display.
- Weight: 6 Lbs. (2.79 kg).
- Dimensions: 11.5" (29.21 cm) (W) x 10.5" (26.67 cm) (D) x 5.5" (13.97 cm) (H).
- Display: Large LCD, backlit, wide angle view.
- Statistics: Mean, high and low, standard deviation, % deviation and CPK.
- Charts: Histogram, trend, x-bar and r-chart.

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 ensures that your CMI730® will be compliant at audit to ISO 17025.

\*A2LA is applicable to Hitachi High-Tech America, Inc. only, contact us to learn more.



If you'd like to learn more about the CMI730® 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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Part number: OIIA/730B/0413



Science for  
a better tomorrow