SpecMetrix[®] ACS Can Coating Thickness and Film Weight Measurement Systems

✓ Internal and exterior coatings ✓ Coating distribution ✓ Nanometric precision ✓ Cost and time savings

ASDEC METRIX.

Features

 Non-Contact – Measurements are taken with no contact to coatings or substrates, preserving part integrity

Spec Metrix

Technology by SENSORY ANALYTICS

- Absolute Thickness Measurement Ultra precise real-time measurement of coating thickness and film weight mapping without need to calibrate for individual coating types
- Substrate Independent Measures wet or dry coatings over aluminum, steel, tinplate; and over any printed surface, print or base color, including black
- Broad Range of Use Real-time measurement and mapping of single or dual coatings, over-varnish, inside spray, rim coats, UV hardcoats, base coats, wash coat and other container coatings
- Non-Hazardous Incorporates exclusive non-radioactive and noninvasive ROI optical measurement technologies
- Environmentally Friendly Non-destructive testing method helps reduce HFI, scrap and spoilage costs
- Flexible and Scalable Modular system designs can be configured for use with multiple automation, scanning and process control tools
- Powerful SensorMetric Software User-friendly software package stores all data to Excel® or interfaces to plant networks for SPC analysis during or after production runs

SpecMetrix ACS- 10 Systems provide plant teams with the flexibility to measure from 1-10 containers in batches in lab or production floor environments

SpecMetrix ACS-1 Systems measure single cans using either a 90° or flexible angle probe







Broad applicability for coated metal products

More Accurate Coating and Film Weight Measurement Data for Metal Packaging Manufacturers

The SpecMetrix ACS-1 and ACS-10 Systems deliver a higher standard of precision for non-contact, non-destructive and real-time measurement of all applied container coatings, wet or dry.

The highly-accurate and instant measurement capabilities of SpecMetrix ACS systems improve coating process control by streamlining plant set-up, changeover and inspection times, while reducing coating costs. Single can, 10-12 can and automated configurations are available to suit plant needs.



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Reliable and Repeatable Systems for Real-Time Coating QA and Analysis



2D and 3D topographical color-coded contour maps for visual analysis of film weight distribution



Ability to verify supplier container quality or diagnose potential coating thickness or film weight issues



Coating measurement data for inside dome on 10 beverage cans

Optional System Configurations

• Fully automated ACS-T34 System with conveyor and exit systems to measure container coatings without stopping or changeover

Note: This device and the methods to use same are covered by U.S. Patent Numbers 6,674,533; 7,128,985; 7,274,463; 7,365,865 and 7,537,681 with additional U.S. and foreign patents pending. All trademarks are acknowledged as the properties of their owners. SpecMetrix® is a trademark of Sensory Analytics. All rights reserved. Windows® and Excel® are trademarks of the Microsoft Corporation.

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Technical Specifications

Measurement Range:	0.3 to 250 microns (coating thickness)
Accuracy:	+/-1% of coating thickness (nominal)
System Speed:	1-2 minute per container based upon plant selected measurement parameters
Measurement Speed:	Up to 50 per second
Temperature Range:	0° to 55° C
Container Size Range:	Up to 3.5 in (8.5 cm) diameter and up to 9.5 in (24 cm) height
Output Metrics:	microns mils mg/4in ² g/m ² mg /in ²
Operating System:	Windows [®] platform
Manufactured:	Made in USA
Certifications:	 C∈ approved Image: Image: Image:

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