SENCON
SENSING • TESTING • GAUGING

Benchmark™

Film-Scan™ Benchtop Coatings Gauge



Semi-automatic gauge for measuring coatings thickness (film thickness) on beverage cans

The Benchmark™ Film-Scan™ coatings gauge delivers the measurement capability of an automatic gauge in a small economic package. Once the can is loaded the measurement sequence is fully automatic. This gives precise and consistent measurement locations without any risk of inadvertent operator bias.

- **Complete 360° optical scan of internal and external coatings**
- **Matte and tactile coatings, decorated cans, tinted internal lacquers, and BPA-NI**
- **Measures reverse wall and rim coat**
- **Measures plug, neck, wall internal/external, dome areas**
- **Can height adjustment user programmable**
- **Results displayed as 'coating thickness' or 'coating weight'**
- **Also available as a fully automatic, modular Master Series™ version**

Ordering Information

CODE	DESCRIPTION	CAN SIZE	NECK	HEIGHT
SI6701	Benchmark™ Film-Scan™ Optical Coatings Gauge	202 (54mm) to 214 (73mm) with rapid, snap-in change rings	200 (51mm) to 206 (60mm)	87mm to 210mm automatic adjustment

PLEASE NOTE: Upgrade options for older systems are also available. Contact your regional Sencon office for more information.

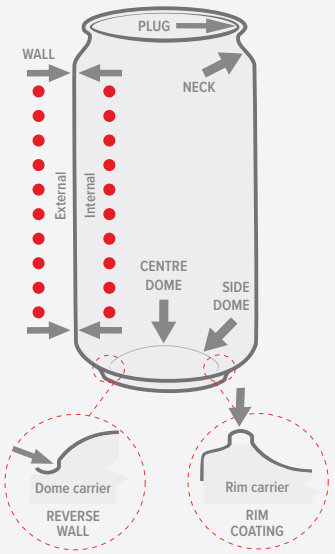
Optional Extras

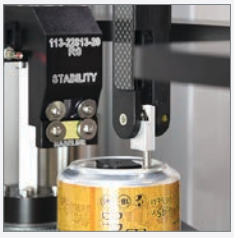
CODE	ITEM	DESCRIPTION
211-22875-00	Universal Reverse Wall Holder	A multi-size (202 to 211) dome holder allows a single holder to be used to measure multiple sizes.

NON-CONTACT: Sencon's infra-red reflectance interferometry, developed in collaboration with renowned academic institutions, is designed to meet the unique requirements of the can industry. This advanced technology enables Sencon to measure a wider range of coating types and locations. Our optical metrology fully correlates to industry coating thickness standards, delivering results as either coatings thickness or weight.

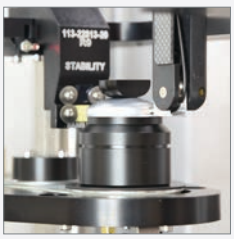
NO CALIBRATION SAMPLES: The gauge stores a list of coatings with data obtained by the customer from coatings suppliers. This eliminates the need for separate calibration samples that can deteriorate and become unreliable with continuous use. It also eliminates any influence that operators may have on the results.

INCREASED ACCURACY: Independent testing has shown that the Sencon gauge is highly accurate with world class repeatability for internal coatings measurement.





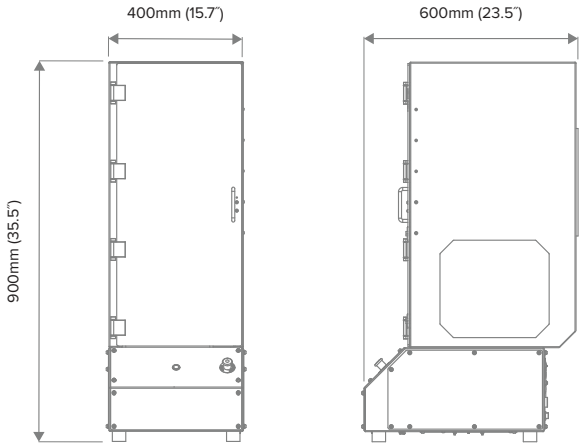
Rim coatings



Reverse wall

© Copyright 2025 Sencon Group. All rights reserved. Specifications subject to change without notice. E&OE

TECHNICAL SPECIFICATIONS

Can Material:	**Aluminium and Steel**
Cans Accepted:	Necked and Un-necked
Maximum Batch Size:	**255 cans**
Measurement Features:	Mesaurements taken at up to 12 vertical positions on side wall User configurable number of measurements around can circumference at each vertical position Measures dome on the same batch as internal side wall Measures reverse wall and rim coat features
Voltage:	100 –240 V
Temperature Range:	10°C to 40°C (50°F to 104°F)
Relative Humidity:	0% to 80% non-condensing
Ingress Protection:	IP20
Dimensions:	
Weight:	80kg (177lb) approximately
Controller:	Process Master™ gauge software running on attached PC
Measurement Reporting:	Batch results displayed on PC screen and optionally sent as report to network storage or network printer (Report format specified at time of order) No. of batch results stored: user- definable in software
Loading:	Manual loading and unloading
Compliance:	CE marked, complies with relevant EU product directives
Calibration:	Integral stability and calibration check performed at each batch start Annual calibration is recommended (available from Sencon)



UNIVERSAL REVERSE WALL HOLDER: An upgrade from standard reverse wall dome holders, this spring loaded holder centers and firmly holds the dome in place for consistent and repeatable measurements. The three spring loaded clamps will firmly hold domes from can sizes from 202 to 211, removing the need fo multiple sizes of holder.

© Copyright 2025 Sencon Group. All rights reserved. Specifications subject to change without notice. E&OE

BENCHMARK™ FILM-SCAN™ COATINGS GAUGE

A benchtop gauge equipped with the same advanced non-contact coatings measurement technology as our fully automatic version in a conveniently small and economic package. Once a can is loaded and the safety door is closed, the measurement sequence is carried out automatically , giving precise and consistent measurements without the risk of operator bias.

FAST, SEMI-AUTOMATIC OPERATION: Procedures are defined and selected with Sencon's proprietary Process Master™ gauging software.

MULTIPLE CAN SIZES: Different can body and neck diameters and can heights are accepted, with quick-fit inserts.

FLEXIBLE CONFIGURATION: The gauge is highly configurable for test parameters, setting up of operator and supervisor presets, and for display and output of results.

BETTER PROCESS CONTROL WITH EXCELLENT R&R: Reliable and consistent measurements with excellent R&R (repeatability and reproducibility) allow manufacturers to gain better control of their process.

LOW MAINTENANCE, LOW RUNNING COSTS: Specially designed for low maintenance, eliminating wear parts where possible to reduce running costs and maximize durability.

UPGRADES: Upgrade options for older models are available.

MASTER SERIES

MEET THE BIG BROTHERS ...



The Master Series™ range offers Sencon's well-proven gauging solutions in fully automatic and flexibly arranged modules that are integrated onto the line with programmable batch sampling on a time or production basis.

WORLDWIDE SUPPORT YOU CAN TRUST

We are committed to providing the best customer support worldwide with service engineers based in North and South America, Europe and Asia backed up with technical support from experienced industry specialists based at three technical support centers – you can trust Sencon.

Technical support is easily accessible through our 'Quick Assist' QR codes which offer support via WhatsApp*, email, web chat and telephone. Additionally, our online knowledge base provides support resources for all Sencon products.

***only available in Europe, Asia, Africa and Oceania**



Industry specialists since 1976

Sencon Inc.
North & Central America
TEL: +1 708 496 3100
info@sencon.com

Sencon
South America
TEL: + 55 19 9 9659 0145
info@sencon.lat

Sencon (UK) Ltd.
Europe, Asia, Africa, Oceania
TEL: +44 1905 827800
info@sencon.co.uk

www.sencon.com

© Copyright 2025 Sencon Group. All rights reserved. All trademarks acknowledged. Specifications subject to change without notice. E&OE