SENCON
SENSING • TESTING • GAUGING

Si Gauges

MEER™ Multi End Enamel Rater

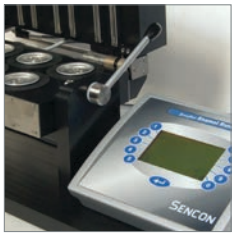
Fast and reliable checking of lacquer integrity on multiple ends in a single pass

Using the intuitive, icon based interface, the semi-automatic MEER™ Multi-End Enamel Rater allows operators to work rapidly and efficiently through a batch of ends without having to press any buttons. Readings are displyed on the gauge screen and sent to a printer or PC via the serial interface.



- **Fast and Reliable: Check the lacquer integrity of eight ends in a single 4 second pass**
- **Multiple diameters supported with quick change rubber seals**
- **Easy to use: Intuitive icon based interface**
- **Semi-automatic operation**
- **Self-checking safety features**
- **Safe and durable**





Ordering Information

CODE	DESCRIPTION	END SIZE
SI9208	MEER™ Multi-End Enamel Rater: Standard	200 to 206 (51mm to 60mm)
SI9208-S	MEER™ Multi-End Enamel Rater: Small size down to 113	113 to 206 (46mm to 60mm)
SI9208-L	MEER™ Multi-End Enamel Rater: Larger ends up to 209	200 to 209 (51mm to 65mm)

Electrolyte: We recommend that electrolyte used in porosity testing/enamel rating is 1% Sodium Chloride solution. This is made by putting 10g salt in 1 liter of de-ionized water.

Options and Wear Parts

CODE	ITEM	DESCRIPTION
SX1000	Data-Bridge Software	Adds data logging functionality to gauges with only an RS232 serial interface.
215-14063-00	Knife blade kit	Replacement knife blades



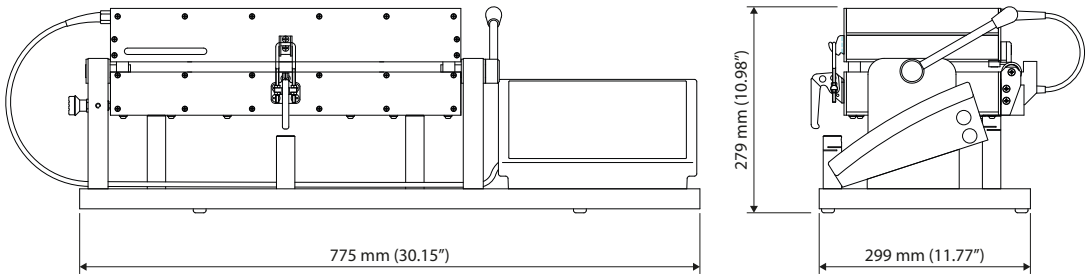
ES8000 Shell & Progression Gauge

SINGLE GAUGE, MULTIPLE USES

The ES8000™ redefines standards for flexibility and measurement repeatability.

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

TECHNICAL SPECIFICATIONS

Ends Accepted:	202 to 206 as standard (down to 113 and up to 209 by special order)
Machine Throughput:	4 second cycle time – all 8 ends tested concurrently
Ingress Protection:	IP65
Controller:	Multi-line LCD display with 10 function keys
Inputs and Outputs:	RS232 (baud rate, stop bits, etc. configurable)
Measurement Reporting:	Measurements displayed on LCD display Measurements can be output to PC or printer over serial RS232
Loading:	Manual loading and unloading - up to 8 ends at a time
Dimensions:	
Weight:	25kg (55lb)
Compliance:	CE marked, complies with relevant EU product directives
Calibration:	Annual calibration is strongly recommended

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

SI9208 MULTI-END ENAMEL RATER

The latest MEER™ has recessed knife holder blocks that fit over the end curl for optimum stability of electrical contact while also making the unit safer to use. The design of the electrolyte chamber, hinges, and locking mechanism promote contact stability and gauge durability. Rapid-fit connectors also reduce maintenance needs.

- Manual and semi-automatic operation
- 4 second cycle time – all ends tested at once
- Automatic contact check – 'knife-blade' contacts
- Automatic electrolyte level check for each test pocket
- Quick-change rubber seals allow easy accomodation of multiple end sizes
- Intuitive, icon-based interface with multi-language support
- Recessed connectors to prevent possible damage
- Auto-start and auto-save functions
- Rugged and corrosion-proof – designed to withstand frequent use in harsh factory environments

FAST AND RELIABLE: Operators can work rapidly and efficiently through a batch without having to press any buttons. Once loaded with ends, the test chamber is inverted, at which point the gauge automatically starts the test cycle. An internal timer freezes the reading when a preset time has elapsed (default 4 seconds). The reading is displayed on screen and transmitted to a printer or PC via the serial interface.

MULTIPLE DIAMETERS: Quick-change rubber seals allow rapid interchange of end sizes from 200 to 206 (smaller sizes down to 113 and larger ends up to 209 are avaialble by special order). Seals for one end size are normally provided, other sizes can be bundled on request.

AUTOMATIC SELF-CHECKING: The Multi-End Enamel Rater constantly monitors both the electrolyte level and the end contact of each test pocket. This safety check is carried out before and throughout the test, since a fault with either could create a 'pass' result regardless of the actual lacquer quality. This in-built safety function ensures that every test is performed correctly. The status of each end test pocket is displayed in a 4 x 2 matrix on the gauge's screen.

SAFE AND DURABLE: High resolution electronics with advanced test monitoring features, in a rugged, waterproof casing with specially recessed connectors designed to withstand the corrosive environment of the enamel rating test in the factory environment.



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