SENCON
SENSING • TESTING • GAUGING

Si Accessories

End Adapter for Enamel Rating

For checking the coating porosity on a wide range of ends, lids, caps and sheets.

A single unit with interchangeable top plates for easily testing ends, caps and sheets of different shapes and sizes. Works in combination with the SI9100 Semi-auto Enamel Rater.



- **Easy, reliable, semi-automatic operation**
- **Multiple end sizes and shapes accepted**
- **Rapid change magnetic top plates for maximum convenience**
- **Self checking of electrical contacts before every test**
- **Automatic voltage compensation for better accuracy and repeatability**
- **Automatic vacuum control for ease of use (optional)**
- **Durable, corrosion-proof design for long product life**

Ordering Information

CODE	DESCRIPTION	MIN DIAMETER	MAX DIAMETER	END TYPES
SI9020TMR	Standard End Adaptor	113 (46mm)	603 (153mm)	Round, twist-off caps, rectangular or oval (such as Hansa, Dingley, Club)
SI9019TR	Large End Adaptor (special order)*	113 (46mm)	903 (230mm)	Round, twist-off caps, rectangular or oval (such as Hansa, Dingley, Club)

***PLEASE NOTE:** Large end adapter can also be used for smaller ends with a change of top-plate (standard end adapter cannot be used with larger ends).

Optional Extras

CODE	ITEM	DESCRIPTION
SI9100	Enamel Rater	Semi-automatic enamel rater for use with a variety of accessories
SI9021	Vacuum Control Generator	Can be auto triggered by the SI9023 auto vacuum control
SI9023	Automatic Vacuum Control Unit	Optional Control module that triggers the Vacuum Generator (SI9021) automatically
SI9025	Magnetic Top Plate	Rapid change magnetic top plate
SI9026	Seal	For use with the magnetic top plate SI9025

SI9100 ENAMEL RATER

Reduce measurement errors when checking laquer integrity on cans and ends

Sencon's Semi-automatic Enamel Rater checks lacquer integrity on cans and ends using the industry standard conductivity test. A small, safe voltage is applied between an electrolyte (conductive fluid) inside the can and the body of the can. The resultant current flow indicates the amount of metal exposure caused by any imperfections in the lacquer.



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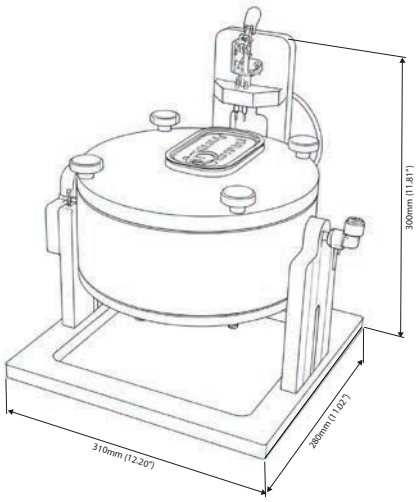
TECHNICAL SPECIFICATIONS

Air Supply:	2 to 6 bar (30 to 85psi)
Temperature Range:	+5°C to +40°C (40°F to 104°F)
Controller:	Used with the SI9100 Enamel Rater
Measurement Reporting:	Measurements displayed on LCD display Measurements can be output to PC or printer over serial RS232
Loading:	Manual loading and unloading
Dimensions	
Compliance:	CE marked, complies with relevant EU product directives

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END ADAPTER FOR ENAMEL RATERS

The latest top plates are magnetically attached for quick and trouble-free interchange. The plates, which are affordable and easily stored, are all you need to test ends and caps of different shapes and sizes. Custom top plates can also be made to your specification.

Simple change parts allow testing of a wide range of end types and sizes:

- Round Ends/Lids: Standard up to 603 (153mm) diameter – Large up to 903 (230mm)
- Rectangular or Oval ends: FPEO Key-open End, Hansa, Dingley, Club
- Aerosol cans: cones and domes
- PT Caps: virtually all PT caps can be tested, including lugged caps
- Special top plates are also available for porosity testing cut samples from coated flat sheets

SEMI-AUTOMATIC OPERATION: To measure a batch of ends, all the operator needs to do is load the ends one at a time and invert the pot, with no need to push buttons on the gauge.

DURABLE DESIGN: For maximum reliability and durability the adapters are made of plastic and stainless steel with titanium probes that will not corrode.

INTEGRATED CALIBRATION VERIFICATION: The SI9020TMR is equipped with test resistors which are controlled by a rotary switch on the side of the unit.

SELF CHECKING: When used with the dedicated SI9100, contacts are verified before every test and any voltage drop in the cables is compensated for so that 6.3 volts is always supplied for the test. This leads to more accurate measurements and better repeatability.

AUTOMATIC VACUUM TRIGGERING: Ends are held in place by vacuum. This is triggered either manually or automaticly just before the probes make contact with the end under test by using the optional SI9023 Vacuum Control unit. This can be useful with large batches as it simplifies and speeds up operation. It also prevents accidental spillage of electrolyte when the adapter is inverted



End adapter for twist-off caps.

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.

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