



## Enamel Rater Master Series

### A FLEXIBLE, RELIABLE AND COST EFFECTIVE SOLUTION FOR AUTOMATIC ENAMEL RATING



MASTER  
SERIES



#### Multiple self checks and continuous monitoring

##### BENEFITS OF ENAMEL RATER

Constant self monitoring for maximum reliability
Use both standard and surfactant based electrolyte without modification
Electrolyte filling with no motors or pumps reduces maintenance
'Try again' fault cure system
Manual override facility
Accepts 202 (54 mm) to 211 (68 mm) body diameter without change parts. Builds for some larger cans body diameters are also available (see below).
Fully automatic can height adjustment

#### Reduced maintenance and service costs

**NO CHANGE PARTS NEEDED** — The gauge accepts can diameters from 202 to 211 without the need for change parts.

##### REDUCED MAINTENANCE AND SERVICE

- ☒ Only two services per year required.
- ☒ No pumps and motors in the electrolyte handling system.
- ☒ Use of durable, heavy duty mechanics has increased the service interval.
- ☒ Test electronics are all contained in a metal-cased, removable module, calibrated to ISO9000 standard and easily replaced for re-calibration.
- ☒ Use of off-the-shelf PC and display screen allows locally sourced replacement of components.

**TOTALLY REDESIGNED GAUGE** — The new Enamel Rater is the result of a redesign project which drew on more than ten years experience of building and maintaining the most successful range of automatic enamel raters in the industry. The result is an eminently durable gauging system that is ready to accept virtually any 2-piece beverage can without change parts. The gauge is ready for any can size change you may need.

**ACCURATE AND RELIABLE** — This fully automatic enamel rater constantly checks its own operation to ensure that tests are accurate and reliable. Electrolyte concentration, fill level, and many other variables are continuously monitored, so you can rest assured that the same reliable test quality is maintained day and night. With this test consistency, any trends or problems are identified instantly and corrective action can be taken before excessive HFIs or scrap are generated.

##### COMPREHENSIVE AUTOMATIC SELF MONITORING

Electrolyte degradation check ✓
Full system accuracy and linearity test prior to each batch, with built-in resistors in the test head. ✓
Can contact & electrolyte level check, active throughout the test ✓
Test voltage monitoring and compensation ✓

##### SPECIFICATIONS

Accuracy	±1% of reading ± 1 L.S.D.
Rating duration	Preset at 4 seconds

##### BENEFITS OF MASTER SERIES AUTO GAUGES

Fully automatic, operator free measurement
Sampling on time or production basis
Fully self-checking
Data available on screen and exchanged via local area network
Multi lane capability (optional)
Easily updated and reconfigured at any time
Future-proofed for changing requirements

##### CAN SIZE OPTIONS

	Standard gauge	Large can variant	Super size can variant
Can body ∅	202 to 211 automatic adjustment	300 single size	307 single size To accommodate a full batch of cans a multilane conveyor is advisable.
Min. can neck ∅	200	206	209
Can height	70 mm to 210 mm automatic adjustment	70 mm to 210 mm automatic adjustment	70 mm to 210 mm automatic adjustment

*Due to continual development, product details may change. Please consult Sencon directly for the latest specifications.*

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