



Back End Gauge Master Series

AUTOMATIC, NON-CONTACT MEASUREMENT OF KEY DIMENSIONS ON FINISHED (NECKED) BEVERAGE CANS

Low maintenance and low running costs

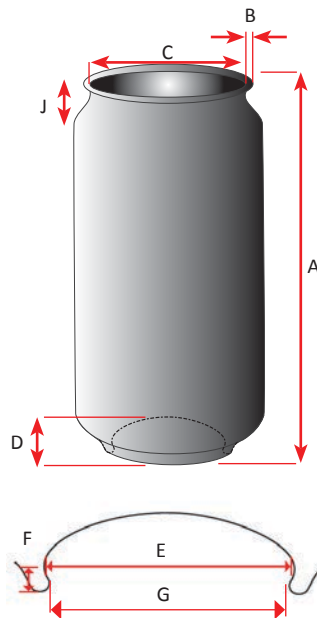


MASTER
SERIES



IMPROVED R&R FOR BETTER PROCESS CONTROL — Contact systems inevitably deform features such as the flange and neck diameter as they are measured. The non-contact gauge avoids this, reducing gauge variability. This helps improve process control (CPK), which is increasingly demanded as cans become lighter, lines get faster, and product designs become more varied.

STANDARD MEASUREMENTS
<i>Metric or Imperial Units</i>
A. Can Height
B. Flange Width
C. Plug Ø
D. Dome Depth
J. Seaming Clearance



BASE REFORM (COST OPTION)
<i>Metric or Imperial Units</i>
E. Reform Ø
F. Reform Height
G. Minimum Stand Ø

SPECIFICATIONS	
Cans accepted	Necked cans only
Can material	Steel or Aluminium

BENEFITS
More critical features measured
Multiple can sizes without change parts
Minimal maintenance—no mechanical transducers, fewer wear parts
Very low lifetime costs
Well proven technology
Constant self monitoring/self calibrating
Greatly improved R&R for better process control

Multiple can sizes without change parts

MORE CRITICAL FEATURES MEASURED — Using optical scanning allows repeatable measurement of all the specified features. Additional measurement packs, which do not increase testing time, can be added when needed.

LOW MAINTENANCE AND RUNNING COSTS — The system uses no mechanical transducers, which minimizes wear parts. So there is almost no maintenance required and running costs are very low.

MULTIPLE CAN SIZES — Non-contact technology allows switching can diameters or heights without change parts or adjustments. So standard can sizes and shapes can easily and quickly be tested with a single gauge. Special orders can be built for some other sizes (see table below).

SELF MONITORING, SELF CALIBRATING — All measurements are accurate to ± 0.025 mm. Every measurement for every batch is automatically qualified using a UKAS approved setting master. The gauge constantly monitors its own performance and recalibrates if drift is detected.

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 (SPECIAL ORDER)
Can body Ø	202 to 211 automatic adjustment	300 single size (NO BASE REFORM) PLEASE CONTACT SENCON TO DISCUSS
Min. can neck Ø	200 to 206	206 to 209
Can height	88 mm to 190 mm automatic adjustment	88 mm to 190 mm automatic adjustment

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