

Asentics AUTOGAUGE



- **Precise measuring results – high reproducibility**
- **Exact height measurement**
- **Innovative two-point calibration**

Precise measurement of shape and dimensions

The Asentics AUTOGAUGE is a very fast, precise and manually operated inspection system for measuring rotation-symmetric elastomer seals. Typical fields of use are therefore laboratory environments, directly in the manufacturing cell and also as a test device for incoming or outgoing goods. Reproducible results for dimensions, contour-related errors and axial height dimensions are determined in fractions of a second. The Asentics AUTOGAUGE is very easy to use, thanks to its touchscreen monitor and freely configurable menu structure.

The Asentics AUTOGAUGE is designed to be used either as a desktop or stand-alone station. This means that you can set up the inspection system exactly where you intend to carry out the inspection. The parts are measured simply by inserting the object drawer with parts on it. Once the drawer reaches its final position, the image is captured automatically, and the image processing computer included in the scope of supply provides accurate and reproducible measurement results in a fraction of a second. The standard configuration of the Asentics AUTOGAUGE is equipped with a 120-mm field of view, which allows you to check dimensions of parts ranging in size from 5 mm to 120 mm. For the ultimate in precision, you can configure the Asentics AUTOGAUGE with 60 mm or 80 mm fields of view. The system can be fitted with an optional height measurement unit. All measurement results, including cp and cpk factors, can be printed out directly in statistics and histories using an optional printer or saved in the system. You can export these data at any time for further processing in existing LANs using the standard Ethernet network card.

Your benefits include:

- **Non-contact inspection**
- **Available as a desktop or stand-alone device**
- **Statistical analysis**
- **Tolerance fields selectable from dropdown list**



System Specifications

System Specifications	
Seperation capability max. OD	120 mm – 4.72"
Seperation capability min. OD	5 mm – 0.1969"
Seperation capability max. height	8 mm with HMU – 0.1315"
Mechanical / Electrical	
Size (L x W x H)	585 mm x 600 mm x 1890 mm – 1.919' x 1.969' x 0.6201'
Weight	90 kg
Power Requirements	115 V – 230 V – 1 phase, 50/60 Hz, 0.8 kW, 10 A – slow
Ambient conditions	
Range of temperature	10 – 30 °C, non condensing
Hardware Options	
I/O equipment	Standard: Ethernet LAN card Optional: HR-HMU, Rack, Barcode reader, Printer

Sensor Specifications

View area (mm / inch)	60 / 2.362"	80 / 3.15"	120 / 4.724"
Max. AD (mm / inch)	58 / 2.283"	75 / 2.953"	120 / 4.724"
Sensor – Dimension			
Resolution (µm / inch)	63 / 0.0024"	87 / 0.0034"	124 / 0.0048"
Accuracy (µm / inch)	30 / 0.0012"	40 / 0.0016"	60 / 0.0024"
Reproducibility (µm / inch)	+/-3 / +/-0.00011"	+/-4 / +/-0.00015"	+/-6 / +/-0.00023"
Digital Camera	1 Megapixel	1 Megapixel	1 Megapixel
Illumination	White	White	White
Sensor – Height Monitoring Unit			
Resolution (µm / inch)	10 / 0.00039"		
Sampling rate / sec.	5000		
Accuracy (µm / inch)	50 / 0.002"		
Reproducibility (µm / inch)	20 / 0.00079"		
Illumination	Laser / Red		

Asentics VARIO GmbH
 Birkenbacher Straße 19-21
 D-57078 Siegen (Germany)
 Phone: +49 (0) 271/30391-110
 Fax: +49 (0) 271/30391-119
 E-mail: info@asentics.de