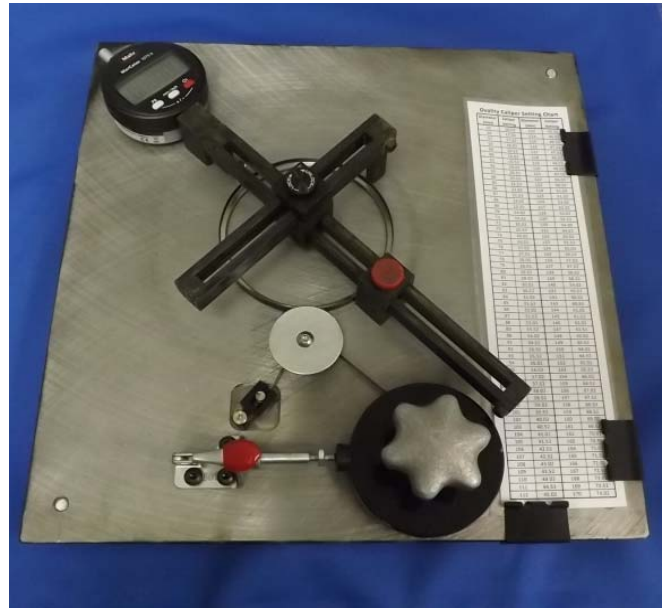
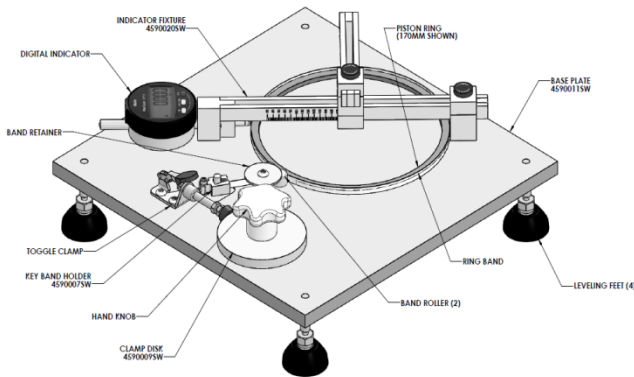


# Digital Piston Ring Ovality Gage



## Precision Digital Measurement of the Ovality of a Piston Ring



### Features & Benefits

- Measures ovality of piston rings according to ISO standards.
- Variable ring sizes from 55 to 170 mm
- Precise reading with digital readout
- Optional capability to data transfer to data collection system

### Application

- CKE Digital Piston Ring Ovality Gage measures the ovality of piston rings based on ISO standards.
- Ovality is the difference measured between the diameters through the gap and 90 degrees to the gap

# Digital Piston Ring Ovality Gage



## CKE precision Digital Piston Ring Ovality Gage Is designed to provide a gage that :

- Is rugged and capable of operation in a typical laboratory or manufacturing environment
- Is simple to operate
- Has significantly improved measuring precision
- Completes a measurement and creates a digital readout in minimal time

## Operation of Unit:

- Piston ring is manually introduced into steel tape loop with gap at 90 degrees to the digital indicator
- Loop length is adjusted using hand knob to obtain gap size
- Feeler blade is clamped into place
- Digital indicator is moved against the steel tape and locked into position
- Display is set to zero
- Steel tape tension released and piston ring is indexed 90 degrees
- Piston ring reclosed and second reading taken which corresponds to piston ring ovality

## System Components

- Base plate
- Ring support (4 arm spider)
- Ring positioning system
  - Linear motion guide rail and carriage
  - Tape rollers
  - Adjustable ring guides (3 sizes cover 55-170 mm)
  - Fixed ring guides (optional)
- Tension steel tape (.20mm thick provided (.13mm thick optional)
- Tape length adjusting device
- Digital indicator (Mahr 1075R)
  - Digital indicator with 12.7mm or 5" stroke
  - Mounting Plate
  - Retractable spring plunger
  - Linear motion carriage
- RS232 output to data collection systems

## Warranty:

- 1 year parts and labor