

CMM CHECKING GAUGE

Have greater confidence in
your CMM measurements



Quickly check and monitor CMM accuracy

The CMM Checking Gauge (CCG) gives confidence in the accuracy of your CMM, by enabling independent validation of accuracy using regular intermediate checks. Supplied with UKAS certified size and form artifacts, CCG provides an efficient GO/NOGO check with measurement results for ongoing monitoring of CMM performance.

Contact us to book your demonstration

www.LKmetrology.com

CMM Checking Gauge

Quality control relies on measuring systems providing consistently accurate results. Regular checking of CMM performance provides an early warning of changes in system accuracy. Once identified, accuracy issues can be addressed before they impact downstream processes.

Confidence in your measurements

Certified length and form artefacts enable you to demonstrate a commitment to the highest standard of dimensional quality control.

Interim checks and monitor

Maintain consistent levels of accuracy with regular checks to monitor CMM performance between scheduled service and calibration interventions.

Avoid downstream problems

Detect unseen changes in CMM accuracy, caused by environmental changes and any unforeseen incident, before they affect manufacturing or quality control processes.

Easy to use software

Supplied with CAMIO software program, with DMIS measurement and alignment routines for bridge and horizontal arm CMMs, and dimensional reports.

SALES PACKAGE

- x2 length bar artifacts
- x1 ring gauge artifact
- x1 test sphere artifact
- Artifacts holding fixture
- UKAS calibration certificates
- CAMIO program on USB drive
- User guide
- Storage case



SPECIFICATIONS

Three size combinations of length bars, ring gauges and test sphere to suit different sizes of CMM

	CCG200 CMM Checking Gauge		CCG300 CMM Checking Gauge		CCG500 CMM Checking Gauge	
Length Bar Artifacts	L200 mm (7.87 inch)	Size U $\pm 0.9 \mu\text{m}$	L300 mm (11.81 inch)	Size U $\pm 0.9 \mu\text{m}$	L500 mm (19.69 inch)	Size U $\pm 0.9 \mu\text{m}$
	L50 mm (1.97 inch)	Size U $\pm 0.01 \mu\text{m}$	L50 mm (1.97 inch)	Size U $\pm 0.01 \mu\text{m}$	L100 mm (3.94 inch)	Size U $\pm 0.9 \mu\text{m}$
Ring Gauge Artifact	D30 mm (1.18 inch)	Size U $\pm 1.5 \mu\text{m}$ Form U $\pm 1.5 \mu\text{m}$	D50 mm (1.97 inch)	Size U $\pm 1.5 \mu\text{m}$ Form U $\pm 1.5 \mu\text{m}$	D75 mm (2.95 inch)	Size U $\pm 1.5 \mu\text{m}$ Form U $\pm 1.5 \mu\text{m}$
Test Sphere Artifact	D25 mm (0.98 inch)	Size U $\pm 0.8 \mu\text{m}$ Form U $\pm 0.1 \mu\text{m}$	D25 mm (0.98 inch)	Size U $\pm 0.8 \mu\text{m}$ Form U $\pm 0.1 \mu\text{m}$	D25 mm (0.98 inch)	Size U $\pm 0.8 \mu\text{m}$ Form U $\pm 0.1 \mu\text{m}$
Dimensions (WxLxH)	140 x 218 x 250 mm (5.51 x 8.58 x 9.84 inch)		140 x 300 x 265 mm (5.51 x 11.81 x 10.43 inch)		190 x 480 x 400 mm (7.48 x 18.90 x 15.75 inch)	
Weight	5 kg [11 lbs]		6.8 kg [15 lbs]		14.8 kg [33 lbs]	

U = artifact measurement uncertainty

