



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**Regal Metrology**  
4554 Poplar Level Road  
Louisville, KY 40213

Fulfills the requirements of

**ISO/IEC 17025:2017**

In the field of

**CALIBRATION**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 02 October 2021  
Certificate Number: AC-1158



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory  
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

**Regal Metrology**  
4554 Poplar Level Road  
Louisville, KY 40213  
Brian Rohleder  
502-968-7993

### CALIBRATION

Valid to: **October 2, 2021**

Certificate Number: **AC-1158**

#### Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Optical Comparator <sup>1</sup> 20X X, Y Linearity	Up to 300 mm Longest Axis	0.005 mm	Glass Master
Squareness	150 mm	0.006 2 mm	Precision Square
Screen Rotation	360 °	5 min	Precision Square
Video Measuring Device <sup>1</sup>			
X, Y Linearity	Up to 300 mm Longest Axis	0.004 7 mm	Glass Master
X, Y Linearity	Up to 900 mm Longest Axis	0.005 mm	Glass Master
X, Y Linearity	Up to 1 500 mm Longest Axis	0.009 mm	Glass Master
Z Linearity	Up to 300 mm	0.003 mm	Gage Blocks
Squareness	150 mm	0.006 mm	Precision Square

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ( $k=2$ ), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1158.



R. Douglas Leonard Jr., VP, PILR SBU

