



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Applied Image Inc.
1653 East Main Street
Rochester, NY 14609

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.

A handwritten signature in black ink, appearing to be 'J. Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 30 October 2025
Certificate Number: AC-2818



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

Applied Image Inc.
1653 East Main Street
Rochester, NY 14609
Gary Reif 585-482-0300 ext. 230

CALIBRATION

Valid to: **October 30, 2025**

Certificate Number: **AC-2818**

Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Single Axis Length Non-Contact ¹	Up to 200 μm	0.43 μm	Filar Microscope
	(200 to 400) μm	0.73 μm	
	(400 to 800) μm	1.3 μm	
	(800 to 1 600) μm	1.5 μm	
	Up to 25.4 mm	0.49 μm	Laser-based Measuring Machine
	(0.8 to 400) mm	(2.3 + 0.008L) μm	CMM
	(401 to 1 200) mm	(15 + 0.051L) μm	Coordinatograph
	Up to 25.4 mm	2.4 μm	Micrometers
(25.4 to 75) mm	4.5 μm		
Length Aspect of Bar Code Measurement ¹	Up to 150 mm	32 μm	Caliper
	(3 to 200) mils	(0.051 + 0.000 25L) mils	Automated Bar Code Verification System (Judge)
(0.2 to 5) mm	(1.3 + 0.25L) μm		
Angular Measurement ⁴	(5 to 85)°	(0.036 – 0.0011 5L)° (0.008 7 – 0.000 06L)° (0.004 4 – 0.000 003L)°	Coordinate Measuring Machine
	(5 to 25) mm		
	(25 to 75) mm		
	> 75 mm		

Photometry and Radiometry

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Spectral Reflection Aspect of Bar Code Measurement ^{2,3}	(0.25 to 100) %R 660 nm	(0.35 + 0.014R) %R	Automated Bar Code Verification System (Judge)
45°:0° or 0°:45° Spectral Reflection Photometry ³ (Status A Density)	(V Filter) Up to 1.25 D (1.25 to 2.1) D	0.011 D 0.033 D	Color Reflection Densitometer
	(C Filter) Up to 1.25 D (1.25 to 2.1) D	0.012 D 0.034 D	
	(M Filter) Up to 1.25 D (1.25 to 2.1) D	0.009 5 D 0.026 D	
	(Y Filter) Up to 1.25 D (1.25 to 2.1) D	0.009 4 D 0.031 D	
45°:0° or 0°:45° Spectral Reflection Photometry ^{2,3}	(0.25 to 100) %R 660 nm	(0.066 + 0.007R) %R	Spectral Reflectometer
Spectral Transmission Photometry ^{2,3}	Up to 100 %T (250 to 400) nm (401 to 700) nm (701 to 900) nm (901 to 1 000) nm	(0.15 + 0.004 1T) %T (0.22 + 0.000 66T) %T (0.4 – 0.000 72T) %T (0.67 + 0.002 7T) %T	Transmission Spectro-photometer
Transmission Density ³ (Orthochromatic Filter)	Up to 3.7 D (3.701 to 4.5) D	0.025 D 0.059 D	Transmission Densitometer

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. L = length in mils or mm.
 2. R = value in % R; T = value in %T.
 3. The following are non-SI terms: %T is percent transmission; %R is the percent reflectance; and D is the optical density.
 4. The angle is determined by the measurement of two points on a line in the x-y plane. The x-y values are used to calculate the angle using the arctan(x-y). The distance between the two points affect the uncertainty as indicated. L is the length of the measured line in mm.
 5. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-2818.



Jason Stine, Vice President