

Image Analysis Micrometer, NIST Certificate

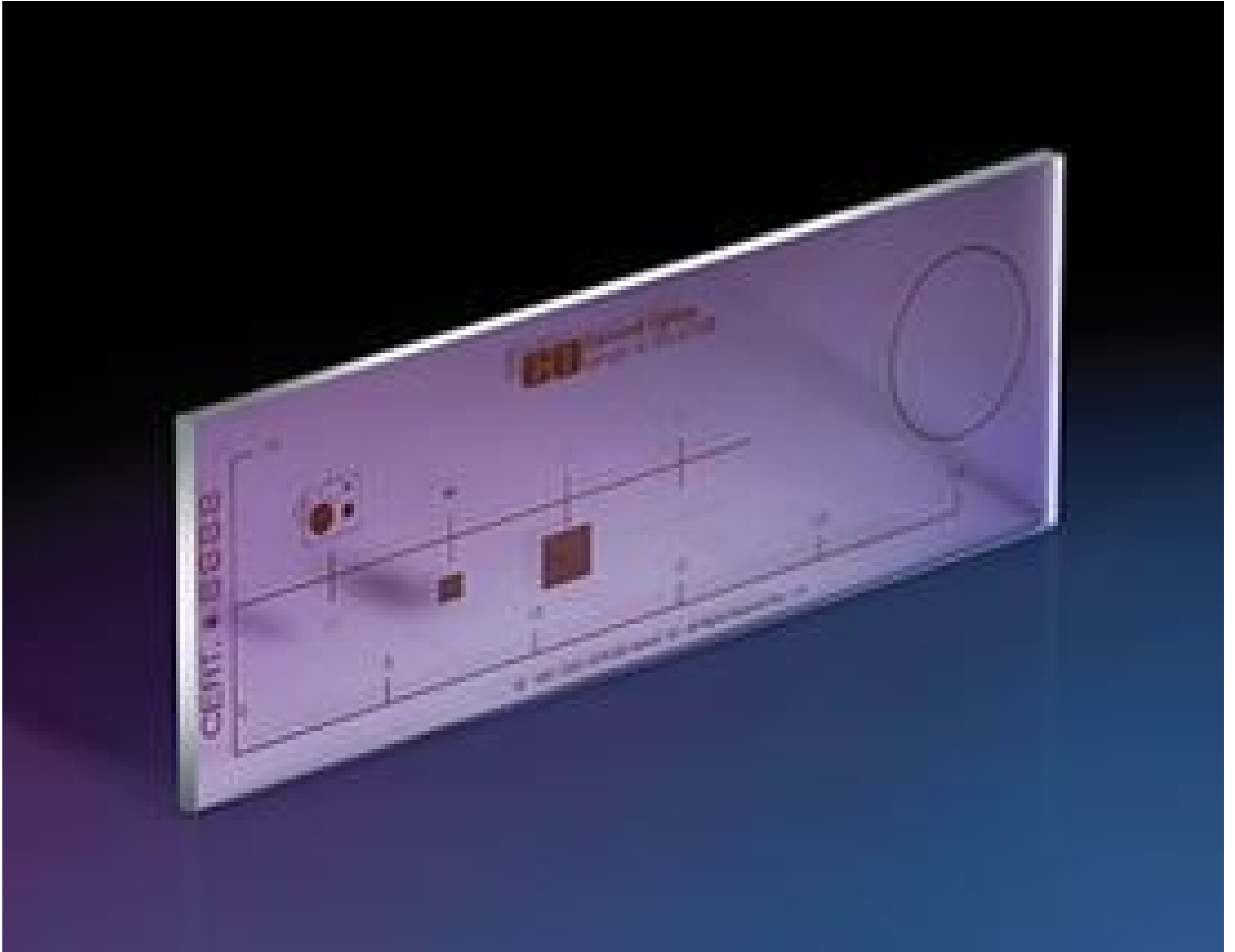


Image Analysis Micrometers

Stock **#59-271** **2 In Stock**

⊖ 1 ⊕ **SS\$1,568⁰⁰**

ADD TO CART

| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-4 | SS\$1,568.00 each |
| Qty 5+ | SS\$1,491.42 each |
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Product Downloads

General

Note:
Patterns on Test Plate 1, 2 and 8 are NIST traceable and conforms to ASTM-E112.

NIST Certification:
Yes

Physical & Mechanical Properties

Scale Divisions:
0 to 2.5 inches

0.5 inches **Increments:**

25.4 x 76.2 **Dimensions (mm):**

1.50 ±0.100 **Thickness (mm):**

±0.100 **Dimensional Tolerance (mm):**

±2 (±4 for Plate 1 Item #3 and #4) **Pattern Tolerance (µm):**

Optical Properties

Chrome on Glass **Substrate:**

60-40 **Surface Quality:**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

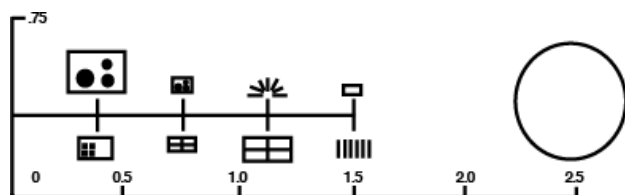
[Compliant](#) **Reach 235:**

Product Details

- Designed for Morphological Calibration and Measurement
- 8 Test Plates of Various Patterns
- NIST Certified Version Available

Image Analysis Micrometers are ideal for morphological calibration and measurement of two-dimensional shapes. They feature eight test plates in various sizes of circles, squares, lines, and other geometries. Small patterns, featuring diameters as small as 6.25µm, are ideal for image analysis and machine vision systems, whereas larger features, including a 2.5" linear scale and 0.5" diameter circle, are available for macro inspection. Test plates 1-4 correspond to top patterns and 5-8 to bottom patterns from the left to right. Image Analysis Micrometers are available in NIST certified versions which conform to ASTM-E112 requirements with plate 1, 2, and 8 measured and calibrated.

Technical Information



| Plate | Frame Size | Description |
|-------|---------------|-----------------------------------------------------|
| 1 | 4.6 x 3.5mm | Circles with 2.00, 1.00, 0.50, and 0.25mm diameter |
| 2 | 1.0 x 0.8mm | Circles with 0.500, 0.250, 0.125, 0.0625mm diameter |
| 3 | 1.0 x 0.8mm | 7 bars separated by 30°, 0.200 x 0.020mm |
| 4 | 1.0 x 0.8mm | Various circles, bars, and angular features |
| 5 | 1.0 x 0.8mm | Squares of 0.100, 0.040, 0.020mm (2 sets) |
| 6 | 2.05 x 1.65mm | Grid with 0.050mm lines at 0.100mm pitch |
| 7 | 4.2 x 3.4mm | Grid with 0.200mm lines at 0.200mm pitch |
| 8 | 10mm long | Scale with 0.010mm divisions |