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0.08X - 4X Opal Glass, Multi-Function Calibration Target

Stock **#58-769** **1 In Stock**

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Volume Pricing	
Qty 1-4	**€2.970,00** each
Qty 5+	**€2.822,70** each
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Product Downloads

General

Contents of Kit:

Foam Lined Case
Angled Support Base
Target on White Glass
Quick Reference Card

Physical & Mechanical Properties

Dimensions (mm):
Plate: 154 x 100

Thickness (mm):
3.20

Dimensional Tolerance (mm):
±1.0

Parallelism (mm):
0.05

Optical Properties

Coating:
Evaporated Chrome

Substrate:
Opal Glass

Magnification:
0.08X - 4X

Surface Quality:
40-20

Surface Flatness (P-V):
1λ/inch

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 240:
Compliant

Product Details

- Calibrates Systems from 0.08X to 4X
- Measures MTF, DOF, Resolution, FOV, and Distortion
- NIST Certificate of Accuracy Included

Designed to calibrate systems from 0.08X to 4X magnification, this Multifunction Calibration Target has the ability to test many parameters of a visual system at one time, allowing more useful information to be obtained with one target. Depth of Field can be measured for a number of resolutions, allowing measurements to be made that are useful for each particular application. System MTF can be measured with frequencies from 5 lp/mm to 80 lp/mm. The target consists of two framed, 100 x 166 x 1.5mm, glass plates with chrome deposit. The second plate has a circular and grid pattern to measure planar and tilted plane distortion. The pattern is designed to make use of the entire FOV without having to move the target between measurements of each parameter, and it is designed for very high accuracy. Detailed specifications and a certificate of compliance are included. Set **#58-770** includes both opal and standard chrome on glass targets.

Technical Information

Tested Parameter	Pattern Size	Pattern Description
Resolution/MTF	154 x 100mm	11 cycles of 5 to 40 to 5 lp/mm
Resolution/MTF	21.8 x 28mm	50 lp/mm
Resolution/MTF	21.8 x 26mm	60 lp/mm
Resolution/MTF	21.9 x 24mm	70 lp/mm
Low Mag DOF	100 x 154mm	80 lp/mm
FOV/DOF	154mm	Linear Scale, 0-154mm, 0.25mm pitch
Distortion	80 x 80mm	5, 10, 15, 20, 30, 40, 50, 60, 70, 80, & 90mm Diameter Circles
Distortion	80 x 80mm	1, 2 & 4mm Pitch
Blooming	115 x 20mm	Positive and Negative Circles & Squares

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