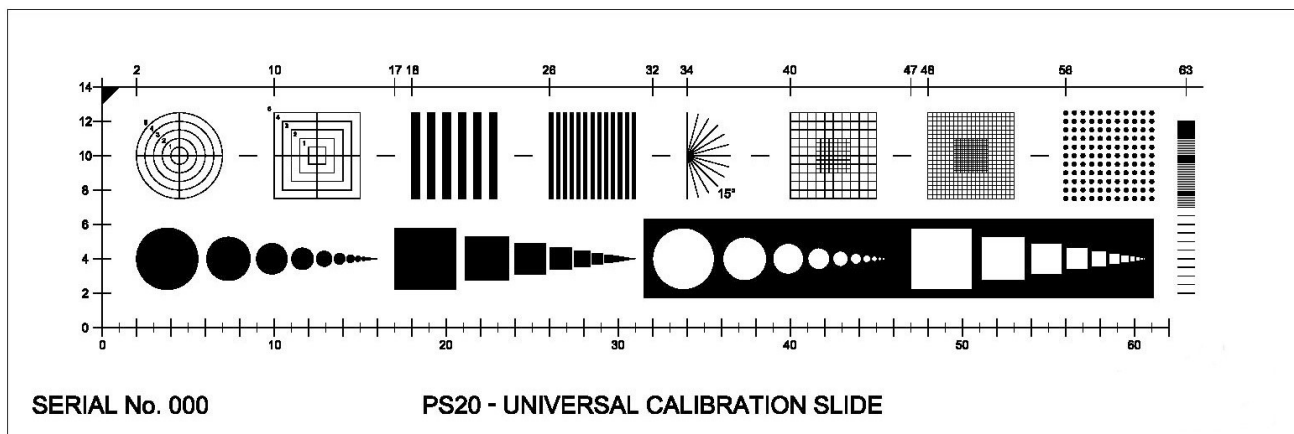


Description

The PS20 was designed as a multi-purpose and cost-effective solution for measurement calibration of microscopes and machine vision systems. The slide includes 13 different image areas to satisfy numerous calibration parameters : Concentric Circles and Squares, Line Gratings, Grid & Dot Arrays, Geometric root 2 progression of Dot and Square blocks as well as coarse and variable fine linear Scales. Each glass slide has a unique permanent serial number and can be supplied with an internationally traceable certificate of calibration on individual patterns.



General Specifications

General Overall Accuracy: 0.5 μ m

Coating: Enduring evaporated chrome image

Optical Density: >2.5

Substrate: Soda Lime Glass

Size: 76mm x 25mm x 1.5mm

Package: Polished Wooden Case

Pattern Details

Starting from a fixed 'Datum point' mark, each individual pattern or array can be located using X, Y coordinates. When requesting a quote for the calibration of individual patterns, you can use the ID letter to identify which pattern you would like to have calibrated.

ID	Pattern Name	Location	Description
A	Concentric Circles	X:02 Y:10	1, 2, 3, 4, 5 mm Circles with Cross Line and identifier. Line width 20µm
B	Concentric Squares	X:10 Y:10	1, 2, 3, 4, 5 mm Squares with Cross Line and circle. Line width 20µm
C	Line Grating 25 lines/mm	X:18 Y:10	12.5 line pairs per mm (40µm line 40µm space)
D	Line Grating 100 lines/mm	X:26 Y:10	50 line pairs per mm (10µm line 10µm space)
E	Half Protractor	X:34 Y:10	15° Spacing, Line width 20µm
F	Grid Array Coarse	X:40 Y:10	5mm/0.5mm square array + central 2mm/0.25mm square. Line width 20µm
G	Grid Array Fine	X:48 Y:10	5mm/0.1mm square array + central 2mm/0.05mm square. Line width 8µm
H	Dot Array	X:56 Y:10	∅0.25mm Dot, 0.50mm centre to centre spacing. 11x11 grid = 121 dots
I	Geometric Progression Opaque Dots	X:02 Y:04	Root 2 progression of 21 dot or square shapes from 3.5µm to 3.5mm.
J	Geometric Progression Opaque Squares	X:17 Y:04	
K	Geometric Progression Clear Dots	X:32 Y:04	
L	Geometric Progression Clear Squares	X:47 Y:04	
M	Vertical Scale Fine Variable	X:63 Y:02	10mm Scale with 5mm/0.5mm divisions, 4mm/0.1mm, 1mm/0.01mm. Line width respectively 20µm, 10µm, 3µm.
N	Horizontal Scale Coarse	X:00 Y:00	62mm Scale in 2mm and 1mm divisions. 20µm line width.



Graticules Optics Ltd

17-19 Morley Road, Tonbridge, Kent, TN9 1RN, UK

Tel +44 (0)1732 360 460

Email sales@graticulesoptics.com

www.graticulesoptics.com

