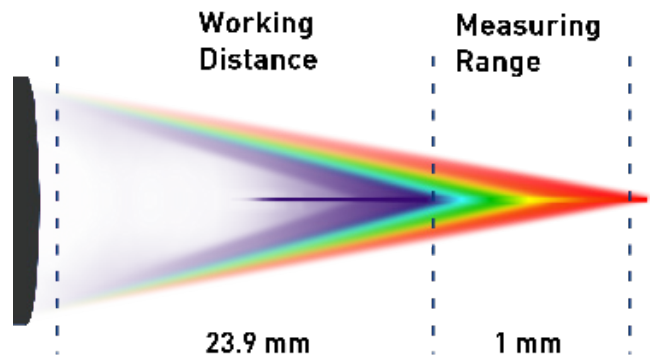
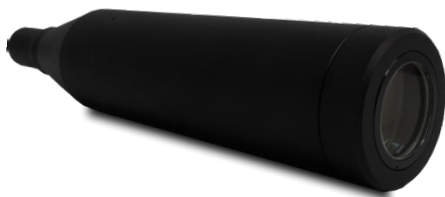


OP 1000

LONG
WORKING
DISTANCE

MARPOSS STIL

Chromatic Confocal Controller



OP 1000 offers outstanding performance:

- Long working distance
- Optimal photometric coefficients
- Multiple applications (roughness, thickness, autofocus and more)

Slope Angle



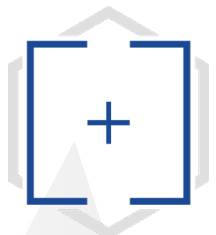
$\pm 24^\circ$

Accuracy



$\pm 0.2 \mu\text{m}$

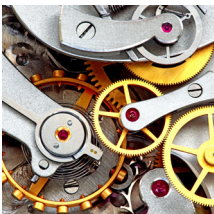
Resolution



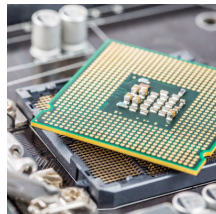
$0.3 \mu\text{m}$

DESIGNED FOR

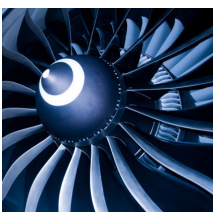
Mechanics



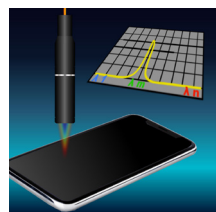
Semiconductors



Aerospace



Metrology



PERFECT FOR

Distance



Dimension



Thickness



Shape



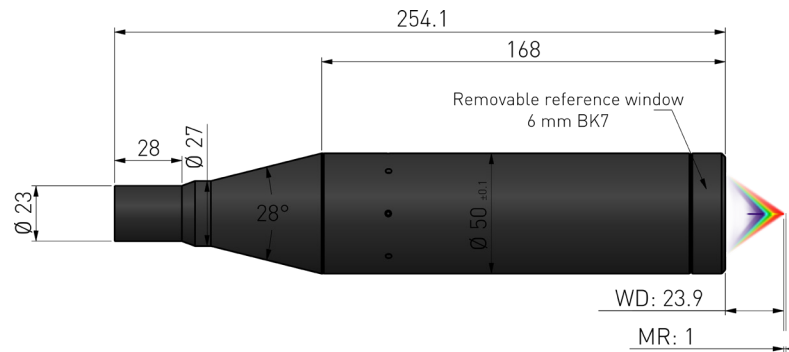
OP 1000

LONG
WORKING
DISTANCE

MARPOSS STIL

Chromatic Confocal Controller

DIMENSIONAL DRAWING*



SPECIFICATIONS*

Nota: All dimensions are in mm

Product	Unit	OP 1000
Order code		O3PS1400003
Measuring Range	mm	1
Working Distance	mm	23.9
Numerical aperture		0.45
Max. slope angle	°	± 24
Axial model		Axial
Max. linearity error**	µm	± 0.2
Static noise**	nm	50
Axial resolution**	µm	0.3
Lateral resolution	µm	2.2
Spot size	µm	4.4
Photometric efficiency		15
Min. measurable thickness***	µm	25
Length	mm	254.1
Diameter	mm	50
Weight	g	753

** With CCS electronics (PRIMA & OPTIMA+)

*** Typical value considering a layer of glass, i.e. considering a refractive index n=1.51

ASSOCIATED WITH

OPTICAL FIBER

- Standard cladding
- Stainless steel cladding
- Armored fiber

CONTROLLER



- ZENITH
- PRIMA, PRIMA +, OPTIMA +
- LIGHTMASTER

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* Specifications are subject to modifications

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