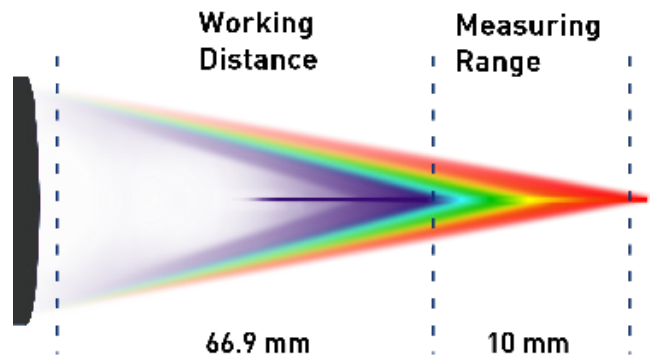


OP 10000  
OP 10000-90

LONG  
WORKING  
DISTANCE

MARPOSS  
STIL

Chromatic Confocal Controller



OP 10 000 offers outstanding performance:

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

Slope Angle



$\pm 11^\circ$

Accuracy



$\pm 0.8 \mu\text{m}$

Resolution



$3.6 \mu\text{m}$

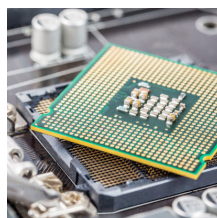


DESIGNED FOR

Glass

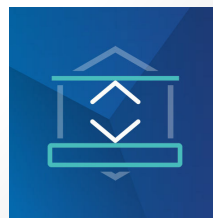


Semiconductors



PERFECT FOR

Distance



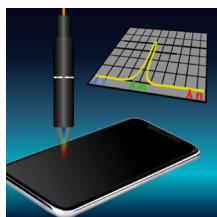
Dimension



Aerospace



Metrology



Thickness



Shape



OP 10000  
OP 10000-90

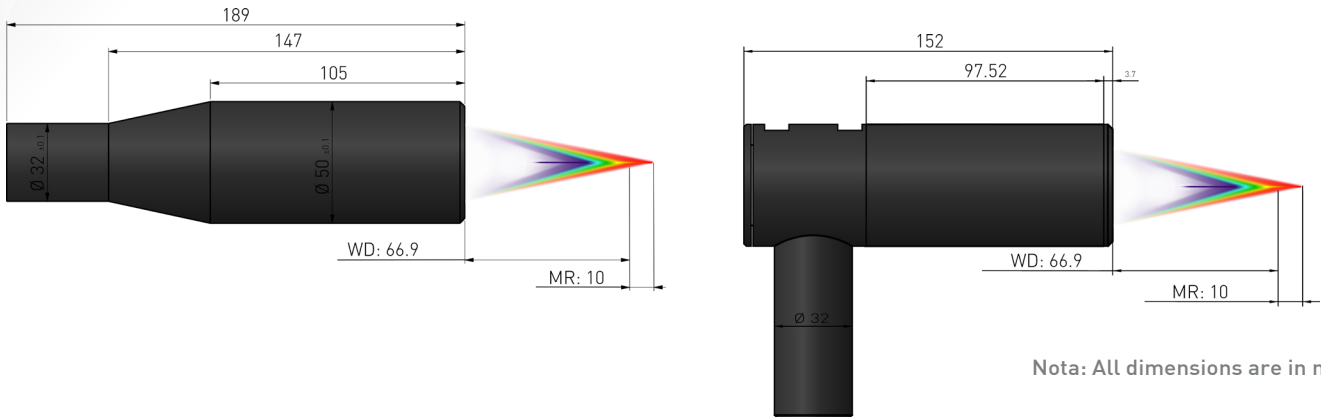
LONG  
WORKING  
DISTANCE

MARPOSS  
STIL

Chromatic Confocal Controller



DIMENSIONAL DRAWING\*



Nota: All dimensions are in mm



SPECIFICATIONS\*

Product	Unit	OP 10000	OP 10000-90
Order code		03PS1400006	03PS1400007
Measuring Range	mm	10	10
Working Distance	mm	66.9	66.9
Numerical aperture		0.2	0.2
Max. slope angle	°	± 11	± 11
Axial or folded model		Axial	90° folded
Max. linearity error**	µm	± 0.8	± 0.8
Static noise**	nm	600	600
Axial resolution**	µm	3.6	3.6
Lateral resolution	µm	25	25
Spot size	µm	50	50
Photometric efficiency		156	138
Min. measurable thickness***	µm	425	425
Length	mm	189	152
Diameter	mm	50	50
Weight	g	525	525

\*\* 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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