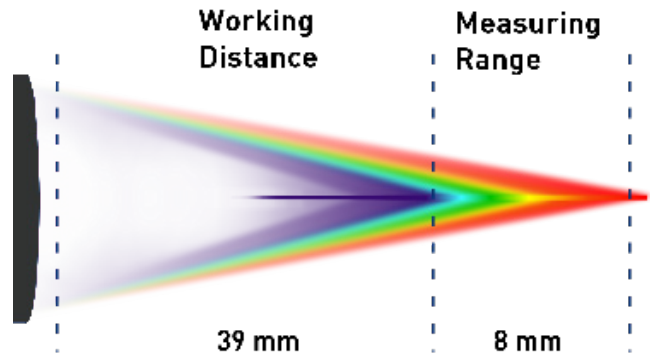


OP 8000

LONG
WORKING
DISTANCE

MARPOSS STIL

Chromatic Confocal Controller



OP 8000 offers outstanding performance:

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

Slope Angle



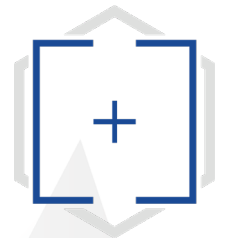
$\pm 16^\circ$

Accuracy



$\pm 0.6 \mu\text{m}$

Resolution



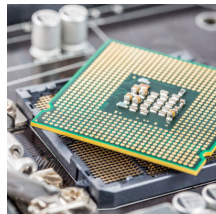
$2.1 \mu\text{m}$

DESIGNED FOR

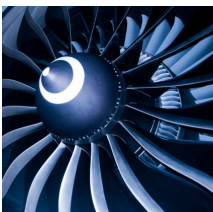
Glass



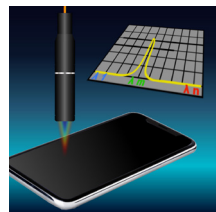
Semiconductors



Aerospace

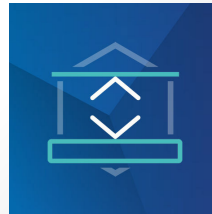


Metrology



PERFECT FOR

Distance



Dimension



Thickness



Shape



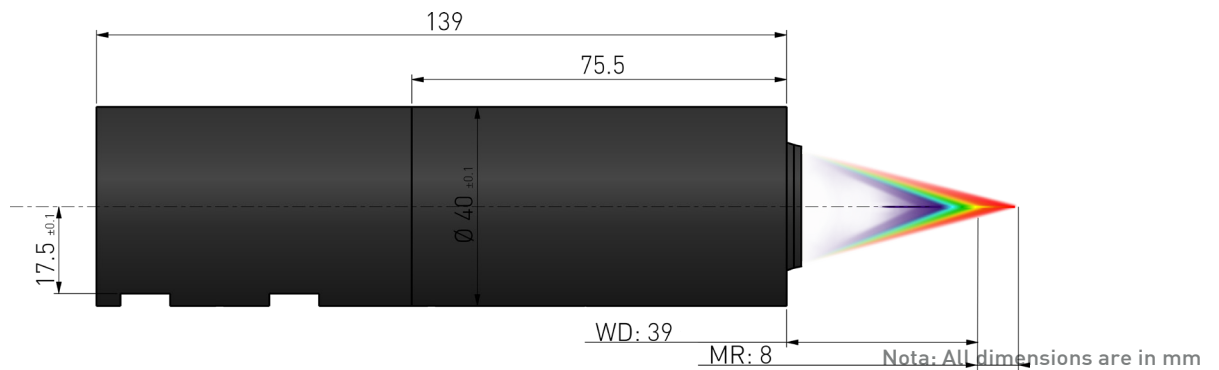
OP 8000

LONG
WORKING
DISTANCE

MARPOSS STIL

Chromatic Confocal Controller

DIMENSIONAL DRAWING*



SPECIFICATIONS*

Product	Unit	OP 8000
Oder code		03PS1400005
Measuring Range	mm	8
Working Distance	mm	39
Numerical aperture		0.295
Max. slope angle	°	± 16
Axial model		Axial
Max. linearity error**	µm	± 0.6
Static noise**	nm	350
Axial resolution**	µm	2.1
Lateral resolution	µm	16.5
Spot size	µm	33
Photometric efficiency		145
Min. measurable thickness***	µm	300
Length	mm	139
Diameter	mm	40
Weight	g	365

** 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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