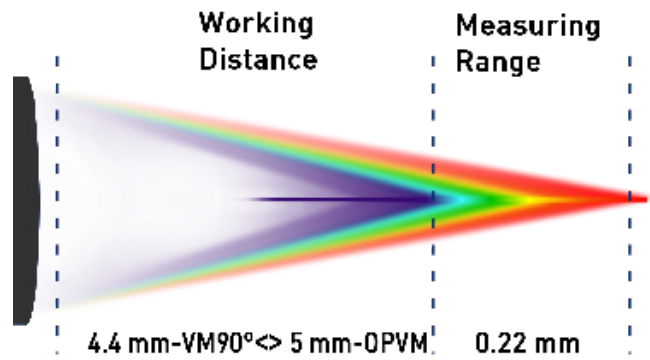


OP 300 VM
OP 300 VM-90

NEW
2020

MARPOSS
STIL

Chromatic Confocal Controller



OP 300 VM offers outstanding performance:

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

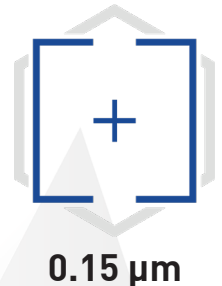
Slope Angle



Accuracy

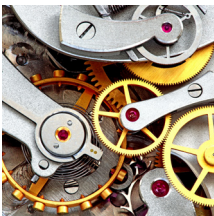


Resolution

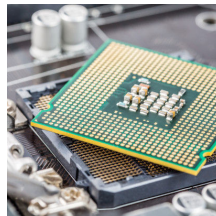


DESIGNED FOR

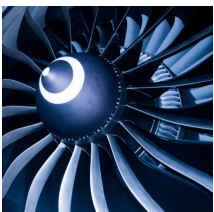
Mechanics



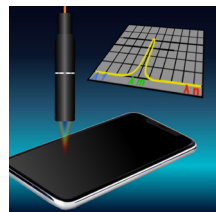
Semiconductors



Aerospace



Metrology



PERFECT FOR

Distance



Roughness



Thickness



Shape



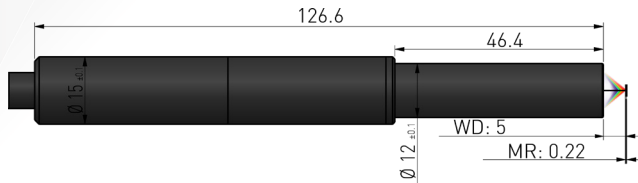
OP 300 VM
OP 300 VM-90

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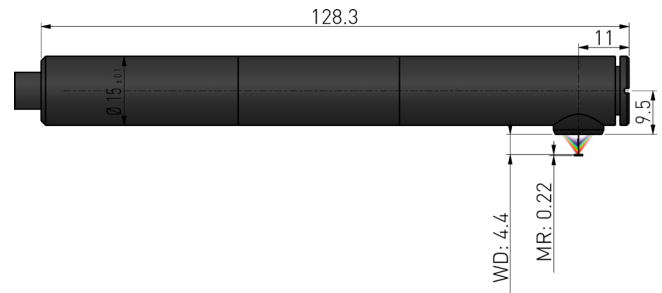
MARPOSS
STIL

Chromatic Confocal Controller

DIMENSIONAL DRAWING*



OP 300 VM



OP 300 VM 90°

Nota: All dimensions are in mm

SPECIFICATIONS*

Product	Unit	OP300VM	OP300VM-90°
Order code		03PS1400001	03PS1400002
Measuring range	mm	0.22	0.22
Working distance	mm	5	4.4
Numerical aperture		0.5	0.5
Max. sample slope	°	± 25	± 25
Protective window		No	No
Axial or folded model		Axial	90° folded
Max. linearity error **	µm	± 0.07	± 0.07
Static noise**	nm	25	25
Axial resolution**	µm	0.15	0.15
Lateral resolution	µm	3.2	3.2
Spot size	µm	6.4	6.4
Photometric efficiency		34	24
Min. measurable thickness***	µm	25	25
Length	mm	127	128
Diameter	mm	15	15
Weight	g	27	39

** 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 modifica-

CHR-900-N6-N7-0822