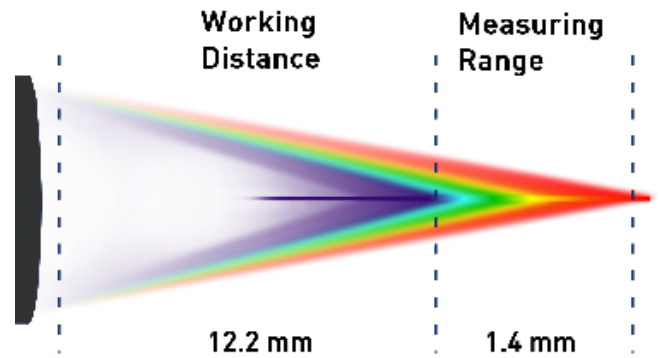


CL3 - MG140

NEW
2020

MARPOSS
STIL

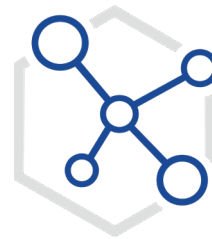
Chromatic Confocal Controller



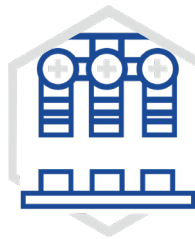
The new CL3-MG140 offers outstanding performance:

- Universal diameter (27mm)
- Axial resolution (from nanometer to micrometer scales)
- A few hundred grams for easy OEM integration
- Measurement of distances at the submicrometer scale
- Discretization of transparent single or multi-layer thicknesses
- Suitable for measurement through a protective window or transparent walls

All materials



Industrial



Accurate measurement

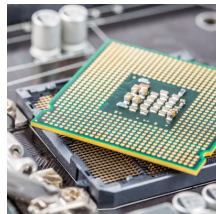


DESIGNED FOR

Mechanics



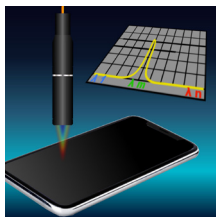
Semiconductors



Glass

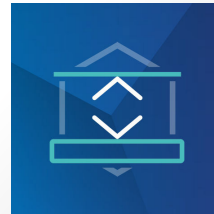


Metrology



PERFECT FOR

Distance



Roughness



Thickness



Shape



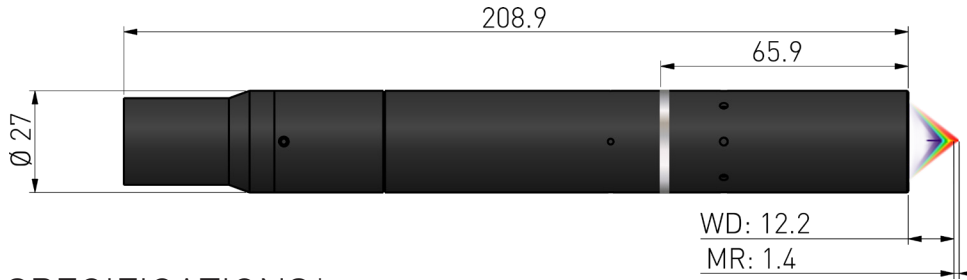
CL3 - MG140

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2020

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Chromatic Confocal Controller

DIMENSIONAL DRAWING*



SPECIFICATIONS*

Nota: All dimensions are in mm

Product	Unit	CL3-MG140
Order code		03PS0131401
Measuring Range	mm	1.4****
Working Distance	mm	12.2
Numerical aperture		0.41
Max. sample slope	°	± 25
Protective window		Yes
Axial model		Standard
Radial model		Option
Max. linearity error**	µm	± 0.15
Static noise**	nm	50
Axial resolution**	µm	0.3
Lateral resolution	µm	2.6
Spot size	µm	6.8
Photometric efficiency		12
Min. measurable thickness***	µm	38
Length	mm	208.9
Diameter	mm	27
Weight	g	215

** With CCS electronics (PRIMA & OPTIMA+)

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

**** 1.3 with CCS Optima +

ASSOCIATED WITH

OPTICAL FIBER

- Standard cladding
- Stainless steel cladding
- Armored fiber

CONTROLLER



- ZENITH
- PRIMA, - OPTIMA +
- PRIMA 2
- STIL-DUO

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*Specifications are subject to modifications

CLMG-314-N2-0822