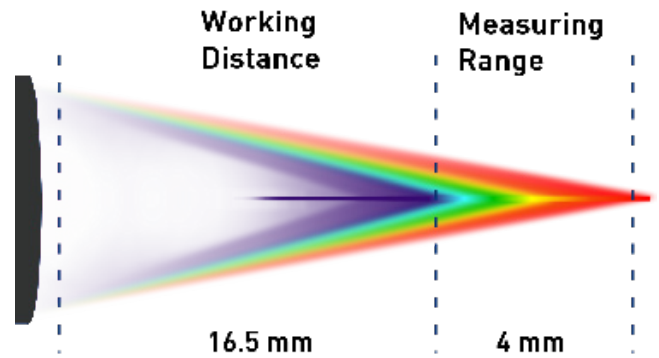


CL4-MG20

NEW
2020

MARPOSS STIL

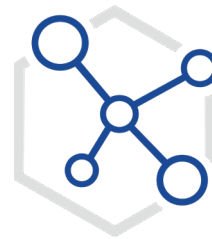
Chromatic Confocal Controller



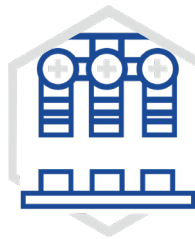
The new CL4-MG20 offers outstanding performance:

- 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

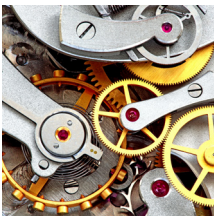


Accurate measurement

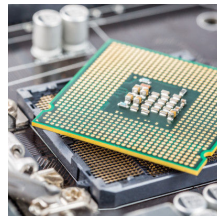


DESIGNED FOR

Mechanics



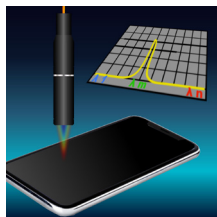
Semiconductors



Glass



Metrology



PERFECT FOR

Distance



Dimension



Thickness



Shape



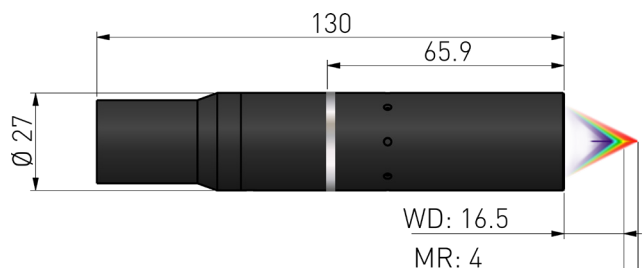
CL4-MG20

NEW
2020

MARPOSS STIL

Chromatic Confocal Controller

DIMENSIONAL DRAWING*



Nota: All dimensions are in mm

SPECIFICATIONS*

Product	Unit	CL4-MG20
Order code		O3PS0142001
Measuring Range	mm	4
Working Distance	mm	16.5
Numerical aperture		0.32
Max. sample slope	°	± 21
Axial model		Standard
90° folded model		Option
Max. linearity error**	µm	± 0.25
Static noise**	nm	135
Axial resolution**	µm	0.81
Lateral resolution	µm	7
Spot size	µm	19.9
Photometric efficiency		96
Min. measurable thickness***	µm	120
Length	mm	130
Diameter	mm	27
Weight	g	140

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

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*Specifications are subject to modifications

CLMG-420-N1-0822