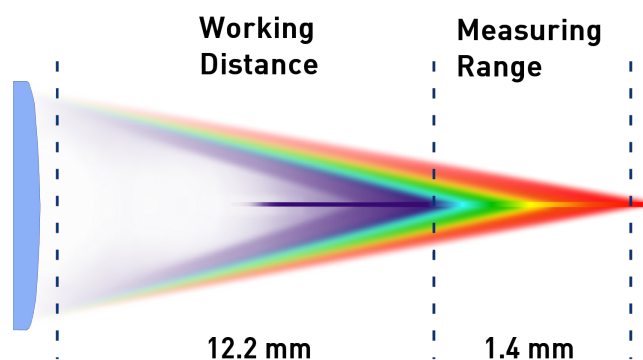


CL3-MG70

NEW
2020

MARPOSS
STIL

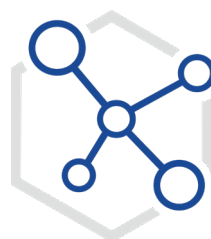
Chromatic Confocal Controller



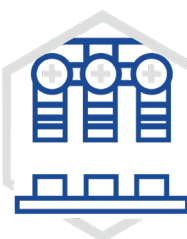
The new CL3-MG70 offers outstanding performance:

- 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

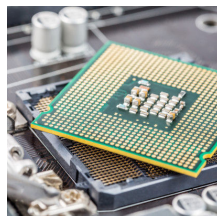


DESIGNED FOR

Mechanics



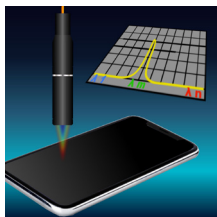
Semiconductors



Glass



Metrology



PERFECT FOR

Distance



Dimension



Thickness



Shape



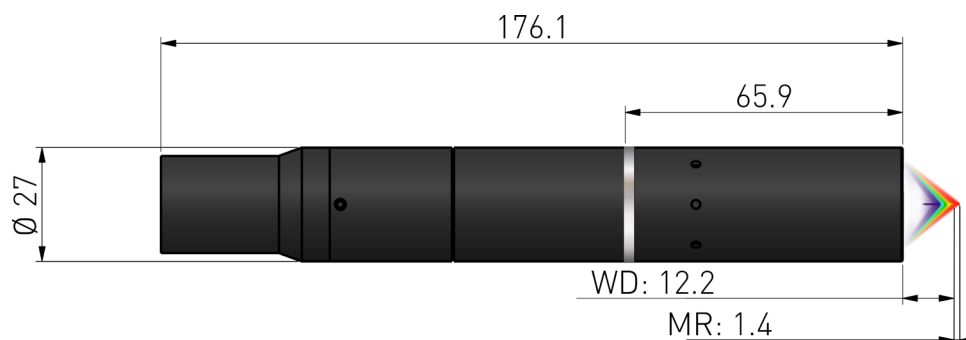
CL3-MG70

NEW
2020

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Chromatic Confocal Controller

DIMENSIONAL DRAWING*



Nota: All dimensions are in mm

SPECIFICATIONS*

Product	Unit	CL3-MG70
Order code		03PS0137001
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	± 0.13
Static noise**	nm	60
Axial resolution**	µm	0.36
Lateral resolution	µm	4.5
Spot size	µm	11.9
Photometric efficiency		63
Min. measurable thickness***	µm	40
Length	mm	176.1
Diameter	mm	27
Weight	g	214

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

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*Specifications are subject to modifications

CLMG-370-N2-0822