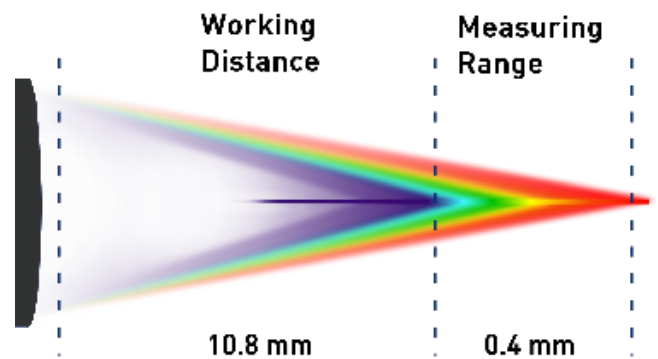


CL2-MG140

NEW
2020

MARPOSS
STIL

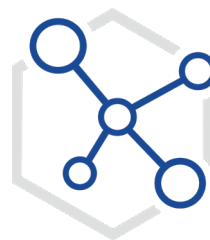
Chromatic Confocal Controller



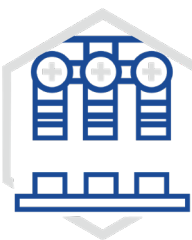
The new CL2-MG140 offers outstanding performance:

- 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

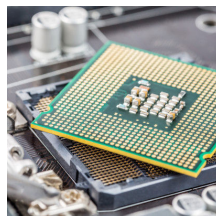


DESIGNED FOR

Mechanics



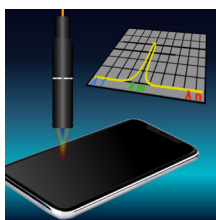
Semiconductors



Glass

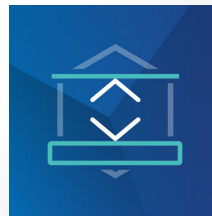


Metrology



PERFECT FOR

Distance



Roughness



Thickness



Shape



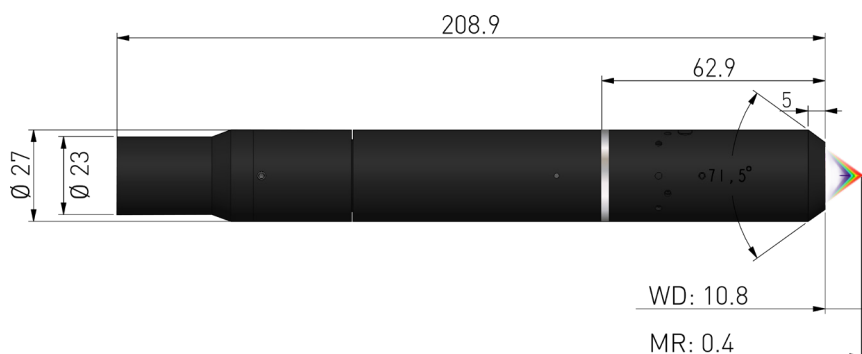
CL2-MG140

NEW
2020

MARPOSS STIL

Chromatic Confocal Controller

DIMENSIONAL DRAWING*



Nota: All dimensions are in mm

SPECIFICATIONS*

Product	Unit	CL2-MG140
Order code		03PS0121402
Measuring Range	mm	0.4
Working Distance	mm	10.8
Numerical aperture		0.46
Max. sample slope	°	± 28
Axial model		Standard
90° folded model		Option
Max. linearity error**	μm	± 0.05
Static noise**	nm	20
Axial resolution**	μm	0.12
Lateral resolution	μm	1.8
Spot size	μm	5.2
Photometric efficiency		8
Min. measurable thickness***	μm	14
Length	mm	208.9
Diameter	mm	27
Weight	g	190

** 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

www.stil-sensors.com

info@stil-sensors.com

+33 (0)4 42 39 66 51

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*Specifications are subject to modifications

CLMG-214-N2-0822