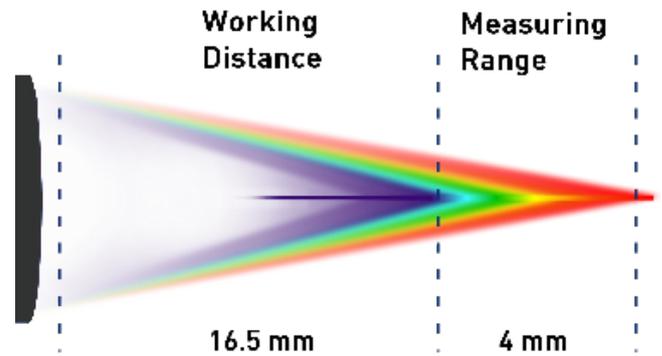


# CL4 - MG35

NEW  
2020

# MARPOSS STIL

## Chromatic Confocal Controller



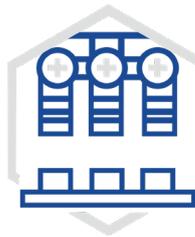
The new CL4-MG35 offers outstanding performance:

- 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



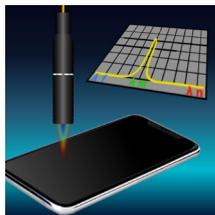
Semiconductors



Glass



Metrology



## PERFECT FOR

Distance



Dimension



Thickness



Shape



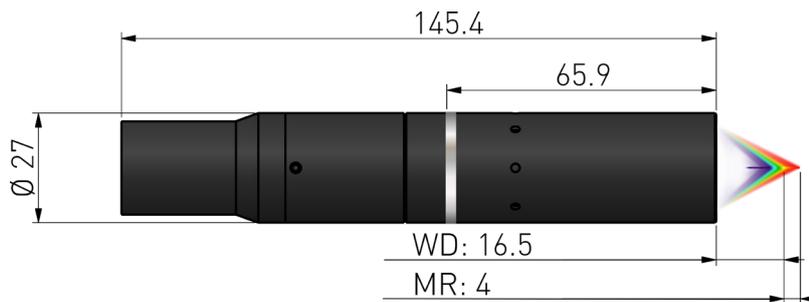
# CL4 - MG35

NEW  
2020

# MARPOSS STIL

## Chromatic Confocal Controller

### DIMENSIONAL DRAWING\*



Nota: All dimensions are in mm

### SPECIFICATIONS\*

Product	Unit	CL4-MG35
Order code		03PS0143501
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	± 0.3
Static noise**	nm	110
Axial resolution**	µm	0.66
Lateral resolution	µm	4.6
Spot size	µm	12.3
Photometric efficiency		31
Min. measurable thickness***	µm	110
Length	mm	145.4
Diameter	mm	27
Weight	g	155

\*\* 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-435-N1-0822