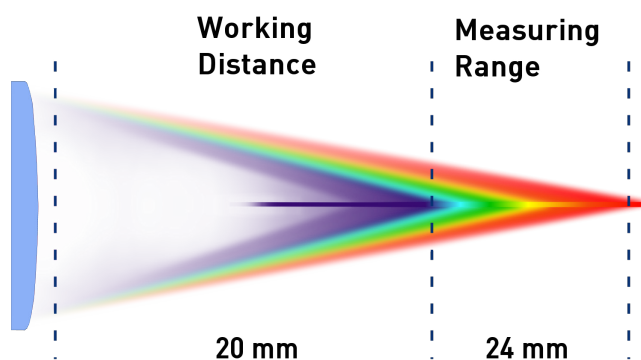


# CL6 - MG35

NEW  
2020

# MARPOSS STIL

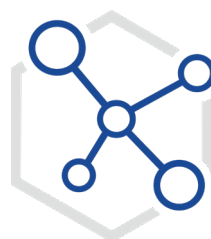
## Chromatic Confocal Controller



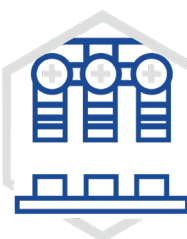
The new CL6-MG35 offers outstanding performance:

- 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

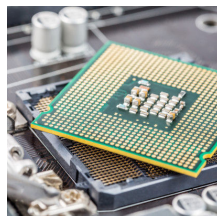


## DESIGNED FOR

Mechanics



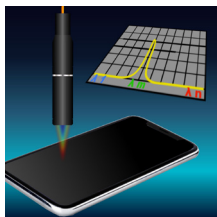
Semiconductors



Glass



Metrology



## PERFECT FOR

Distance



Dimension



Thickness



Shape



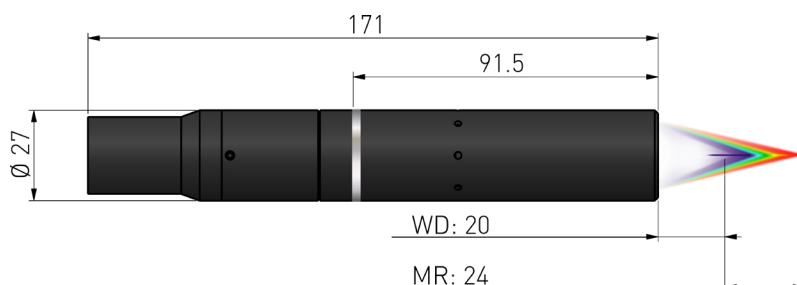
# CL6 - MG35

NEW  
2020

**MARPOSS**  
STIL

## Chromatic Confocal Controller

### DIMENSIONAL DRAWING\*



Nota: All dimensions are in mm

### SPECIFICATIONS\*

Product	Unit	CL6-MG35
Order code		03PS0163501
Measuring Range	mm	24
Working Distance	mm	20
Numerical aperture		0.12
Max. sample slope	°	± 8.5
Axial model		Standard
90° folded model		Option
Max. linearity error**	µm	± 1.6
Static noise**	nm	750
Axial resolution**	µm	4.5
Lateral resolution	µm	11
Spot size	µm	26.8
Photometric efficiency		14
Min. measurable thickness***	µm	590
Length	mm	171
Diameter	mm	27
Weight	g	195

\*\* 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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CLMG-635-N1-0822