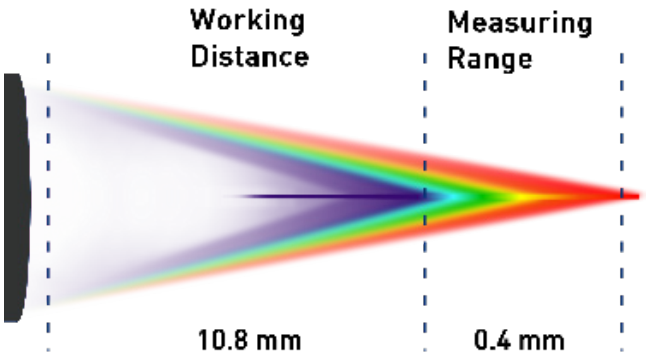
# CL2-MG70

NEW 2020

MARPOSS STIL

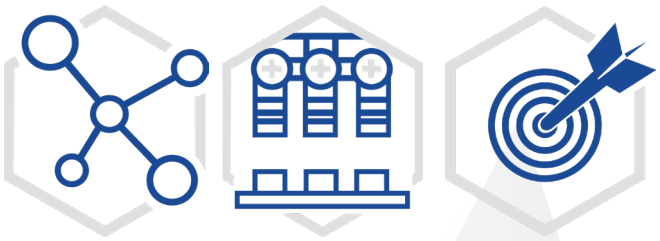
## Chromatic Confocal Controller




The new CL2-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

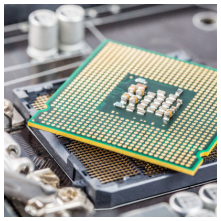
**All materials** **Industrial** **Accurate measurement**



## DESIGNED FOR

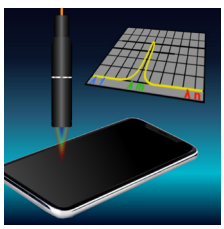
Mechanics

Semiconductors



Glass

Metrology



## PERFECT FOR

Distance

Roughness

Thickness

Shape

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## Chromatic Confocal Controller

## DIMENSIONAL DRAWING*


## SPECIFICATIONS*

Nota: All dimensions are in mm

| Product | Unit | CL2-MG70 |
|---|---|---|
| **Order code** | | O3PS0127002 |
| **Measuring Range** | **mm** | 0.4 |
| **Working Distance** | **mm** | 10.8 |
| **Numerical aperture** | | 0.46 |
| **Max. sample slope** | **°** | ± 28 |
| **Axial model** | | Standard |
| **90° folded mode** | | Option |
| **Max. linearity error**** | **µm** | ± 0.045 |
| **Static noise**** | **nm** | 25 |
| **Axial resolution**** | **µm** | 0.15 |
| **Lateral resolution** | **µm** | 3.7 |
| **Spot size** | **µm** | 8.8 |
| **Photometric efficiency** | | 42 |
| **Min. measurable thickness***** | **µm** | 22 |
| **Length**<br>**Diameter**<br>**Weight** | **mm**<br>**mm**<br>**g** | 176.1<br>27<br>189 |

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

*Specifications are subject to modifications

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CLMG-270-N2-0822