

# PRIMA+

HIGH  
PHOTOMETRY

MARPOSS  
STIL

## Chromatic Confocal Controller



The PRIMA+ allows measurements of great precision without any contact thus any risk of parts' alteration.

The PRIMA+ performs very high resolution distance and thickness measurement on all types of surfaces and materials including reflective surfaces.

The thickness measurement on glass or transparent films is carried out with a single PRIMA+ and a single high precision sensor head, a measurement frequency of 2 kHz and a submicronic accuracy.

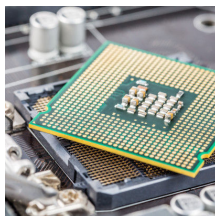
It is compatible with all STIL sensor heads (CL-MG, OP, ENDO, EVEREST...) and provide a performance adapted to each measurement range.

### DESIGNED FOR

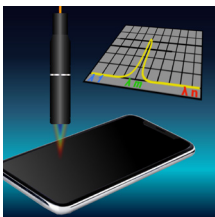
Mechanics



Semiconductors



Metrology



Glass

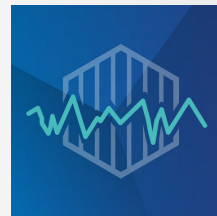


### PERFECT FOR

Distance



Roughness



Thickness



Shape



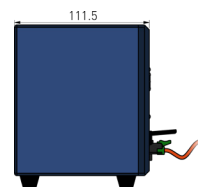
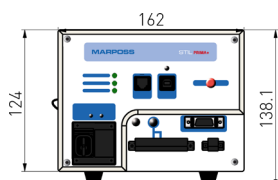
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# MARPOSS STIL

## Chromatic Confocal Controller

### DIMENSIONAL DRAWING\*



Nota: All dimensions are in mm

### SPECIFICATIONS\*

Product	PRIMA+
Order code	O8ST13M1009
Technology	Chromatic Confocal
Source	White LED
Number of channels	1
Measuring Frequency	1000 Hz - 2000 Hz
Calibration table memory	Up to 20 calibration tables
Distance Measurement	First/Strongest peak
Thickness Measurement	2 Peaks
Advanced features	AutoLed/AutoDark/DoubleFrequency/HoldLastValue...
Digital Output	RS232, RS422 and USB
Synchronization	Trigger in&out
Other Input/Output	2 Analog Output, Encoder Input (up to 3)
Fiber connection	E2000/APC
Temperature in use	5°C - 50°C
Storage temperature	-30°C - 70°C
Relative humidity	5% - 80% HR without condensation
Protection type	IP 20
Compliance	EN 61326-1
Power Supply	24 Vdc
Maximum/Usual Consumption	25 W/8 W
Dimensions	162 mm x 138,1 mm x 111,5 mm
Weight	1,2kg

### ASSOCIATED WITH

#### OPTICAL FIBER

- Standard cladding
- Stainless steel cladding
- Armored fiber



#### SENSOR HEAD



- CL-MG SERIES
- OP SERIES
- ENDO SERIES
- EVEREST SERIES