

PRIMA

BEST
SELLER

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.

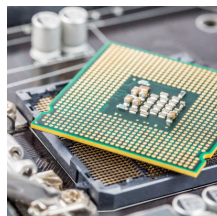
It is compatible with all STIL sensor heads (CL-MG, OP, ENDO, EVEREST...) and provide a performance adapted to each measurement range.

DESIGNED FOR

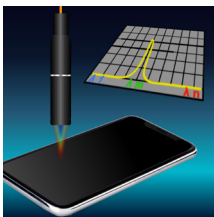
Mechanics



Semiconductors



Metrology



Glass

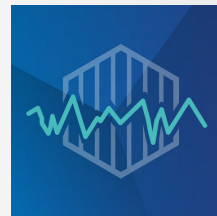


PERFECT FOR

Distance



Roughness



Thickness



Shape



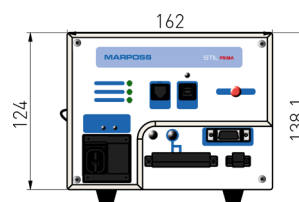
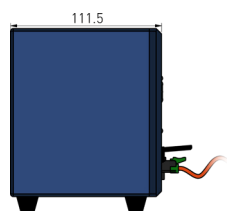
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DIMENSIONAL DRAWING*



Nota: All dimensions are in mm

SPECIFICATIONS *

Product	PRIMA
Order code	O8ST10M1001
Technology	Chromatic Confocal
Source	White LED
Number of channels	1
Measuring Frequency	100 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

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* Specifications are subject to modifications

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