

# CCS SERIES

LEADING  
PRODUCT

**MARPOSS**  
STIL

## Chromatic Confocal Controller



PRIMA



PRIMA+



OPTIMA+

The CCS family associated with STIL sensor heads allows measurements of great precision without contact. CCS offers very high resolution distance and thickness measurement on all types of surfaces and materials including reflective surfaces .

PRIMA, the basic model of CCS family, is compatible with all STIL sensor heads: CL-MG, OP, ENDO, EVEREST... having a performance adapted to each measurement range.

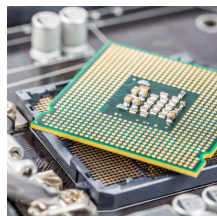
OPTIMA+ offers very high performance with a measurement frequency of 10 kHz and a submicronic accuracy.

### DESIGNED FOR

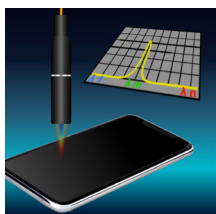
Mechanics



Semiconductors



Metrology



Glass



### PERFECT FOR

Distance



Roughness



Thickness



Shape



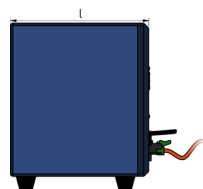
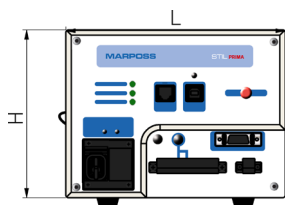
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# MARPOSS STIL

## Chromatic Confocal Controller

### DIMENSIONAL DRAWING\*



Nota: All dimensions are in mm

### SPECIFICATIONS \*

Product	PRIMA	PRIMA +	OPTIMA +
Order code	O8ST10M1001	O8ST13M1009	O8ST09M2001
Technology	Chromatic Confocal	Chromatic Confocal	Chromatic Confocal
Source	White LED	White LED	White LED
Number of channels	1	1	1
Measuring Frequency	100 Hz - 2000 Hz	1000 Hz - 2000 Hz	500 Hz - 10000 Hz
Calibration table memory	Up to 20 calibration tables	Up to 20 calibration tables	Up to 20 calibration tables
Distance Measurement	First/Strongest peak	First/Strongest peak	First/Strongest peak
Thickness Measurement	2 Peaks	2 Peaks	2 Peaks
Advanced features	AutoLed/AutoDark/DoubleFrequency/ HoldLastValue...	AutoLed/AutoDark/Double Frequency/HoldLastValue...	AutoLed/DoubleFrequency/HoldLastVa- lue...
Digital Output	RS232, RS422 and USB	RS232, RS422 and USB	RS232, RS422 and USB
Synchronization	Trigger in&out	Trigger in&out	Trigger in&out
Other Input/Output	2 Analog Output, Encoder Input (up to 3)	2 Analog Output, Encoder Input (up to 3)	2 Analog Output, Encoder Input (up to 3)
Fiber connection	E2000/APC	E2000/APC	E2000/APC
Temperature in use	5°C - 50°C	5°C - 50°C	5°C - 50°C
Storage temperature	-30°C - 70°C	-30°C - 70°C	-30°C - 70°C
Relative humidity	5% - 80% HR without condensation	5% - 80% HR without condensation	5% - 80% HR without condensation
Protection type	IP 20	IP 20	IP 20
Compliance	EN 61326-1	EN 61326-1	EN 61326-1
Power Supply	24 Vdc	24 Vdc	24 Vdc
Maximum/Usual Consumption	25 W/8 W	25 W/8 W	25 W/9 W

\*Specifications are subject to modifications

### 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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